

Site Investigation Report

US 101 Midway Metals
Clallam County, Washington

for

**Washington State Department of
Transportation**

September 5, 2012



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1101 South Fawcett Avenue
Suite 200
Tacoma, Washington 98402
253.383.4940

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Project No. 0180-292-00

September 5, 2012

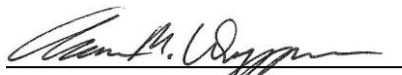
Prepared for:

Washington State Department of Transportation
Olympic Region
5720 Capital Boulevard
Olympia, Washington 98504-7440

Attention: Jeff Sawyer

Prepared by:

GeoEngineers, Inc.
1101 South Fawcett Avenue, Suite 200
Tacoma, Washington 98402
253.383.4940



Aaron M. Waggoner, LG, LHG
Geologist



Michael E. Hutchinson, LG, LHG
Principal

AMW:MEH:tt

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1.0 INTRODUCTION

This document presents the Site Investigation Report for the Midway Metals Property (Site) located at 258010 Highway 101, Sequim, Washington (Figure 1). Washington State Department of Transportation (WSDOT) is performing this site investigation in accordance with Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) and associated implementing regulations (i.e., Chapter 173-340 Washington Administrative Code [WAC]).

This document presents the results of site investigation activities that were completed between December 2011 and February 2012 in general accordance with GeoEngineers, Inc. (GeoEngineers) "Work Plan, Remedial Investigation, US 101 Midway Metals," dated December 9, 2011 (Work Plan; GeoEngineers, 2011). The results of previous investigations conducted prior to 2011 also are incorporated in this report. Previous investigations include:

- A Phase I Environmental Site Assessment (ESA) performed by Herrera on behalf of WSDOT in 2002 (Herrera, 2002),
- An Initial Investigation performed by Washington State Department of Ecology (Ecology) and Clallam County Environmental Health (Clallam Health) (Initial Investigation Field Report, 2006),
- A Site Hazard Assessment performed by Clallam Health (Site Hazard Assessment, 2008),
- A Hazardous Materials Discipline Report (HMDR) conducted by WSDOT in 2009 (WSDOT, 2009), and
- A limited Phase II ESA performed by WSDOT in 2011 (WSDOT, 2011).

WSDOT is considering the acquisition of the northern portion of the Site that is located within the proposed right-of-way (ROW) of the WSDOT US 101 - Shore Road to Kitchen-Dick Road - Widening Project. The proposed acquisition is shown on Figure 2. Metals and lube oil contamination at concentrations exceeding regulatory screening criteria in soil has been confirmed on the Site within the proposed acquisition area and the remainder of the property to the south.

1.1. Statement of Objectives

The objective of this document is to present the project background, nature and extent of contaminants that are present at the site and our conclusions.

1.2. Report Organization

This report is organized as follows:

- Section 1.0 briefly describes the Site and presents the objectives and organization of this report.
- Section 2.0 describes the Site physical setting, history along with the investigations that have taken place on Site.
- Section 3.0 presents the nature and extent of contamination.

- Section 4.0 presents our conclusions.

2.0 BACKGROUND

2.1. Property Description

Midway Metals consists of a 2.67-acre parcel (Clallam County Parcel No. 0430184301000000) that has been a scrap metal recycling facility from 1991 to present day. Details of the site are presented on the Site Plan, Figure 2. Neighboring parcels to the Site include: a 7.89-acre parcel (No. 0430184300000000) to the east, a 4.99 acre parcel (No. 0430184300750000) to the south and a 4.91-acre parcel (No. 0430183400100000) to the west.

The scrap metal handled on Site includes (but is not limited to) cars and trucks, tires, heavy machinery and general construction debris. Between 1972 and 1989, a previous owner sold concrete septic tanks from the Site. Prior to 1972, the Site and surrounding area were either undeveloped forested land or developed for rural residential purposes.

The Site slopes to the north toward US 101 and is divided into three tiers with a range in elevation from 315 feet at the northern property boundary adjacent to the highway up to 350 feet at the southern property boundary. The three tiers are accessed by dirt and gravel roadways and scrap metal is stored along both sides of these roadways. There are trees and underbrush along the east, south and west property boundaries. A shed is used as an office building and two other sheds are used for parts and equipment storage on site. There are no public water or sewer connections and no records of a septic system on Site.

2.2. Previous Investigations

2.2.1. Phase I Environmental Site Assessment (Herrera, 2002)

Herrera Environmental Consultants completed a Phase I Environmental Site Assessment (Herrera, 2002) of the Site to identify recognized environmental conditions (RECs) that may be encountered during the construction of the US 101 - Shore Road to Kitchen-Dick Road - Widening Project. They identified 5-gallon containers of lubricant oil, lacquer thinner and unknown substances stored inside a metal shed on Site. No other RECs were identified.

2.2.2. Initial Investigation (Ecology and Clallam Health, 2006)

Ecology and the Clallam County Environmental Health conducted an Initial Investigation on the property on October 10, 2006 in response to public complaints regarding the mishandling of waste. They collected and submitted three soil samples from three different areas on site. The sampling results indicated the presence of heavy metals and lube oil-range hydrocarbons exceeding the MTCA Method A cleanup levels for unrestricted land use in the surface soils of the Site (0 to 2 feet bgs). The results are presented in Table 1 and the sample locations are shown on the Site Plan, Figure 2. As a result of the Initial Investigation, Clallam Health recommended listing the Site on ISIS for a Site Hazard Assessment (SHA) following the MTCA Washington Ranking Method (WARM) for hazardous waste sites.

2.2.3. Site Hazard Assessment (Clallam Health, 2008)

Clallam Health completed the SHA on May 14, 2008 and assigned an overall WARM rank of 1 to the Midway Metals Site. A WARM rank of 1 represents the highest level of potential risk to human health and the environment. This ranking is due in part to the Site having soil contamination with a high surface water migration potential and no run-on/run-off controls. The nearest surface water bodies to the Site are a wetland approximately 750 feet to the north, across Highway 101 and McDonald Creek approximately 1,000 feet to the east. The SHA also indicated that there is a drinking water well less than 600 feet from the Site and airborne dust is a concern with residences less than 1,000 feet from the Site.

2.2.4. Hazardous Materials Discipline Report (WSDOT, 2009)

WSDOT completed a HMDR for the Widening Project to identify potential sources of contaminants that could be encountered during project construction. The HMDR recommended completing a Phase II ESA for the northern portion of the Midway Metals Site. The HMDR also revealed the Initial Investigation that Ecology and Clallam Health completed in 2006 along with the SHA completed by Clallam Health in 2008.

2.2.5. Limited Phase II Environmental Site Assessment (WSDOT, 2011)

WSDOT conducted a Limited Phase II ESA in March 2011 on the portion of the Site that they intend to acquire for the above mentioned Widening Project. WSDOT submitted 18 soil samples and two groundwater samples for chemical analysis. Of the 18 soil samples, two were surface soil obtained by hand (MM-SC2 and MM-SC3), two were obtained by backhoe (MM-TP1-2.5-3 and MM-TP3-0-3) and 14 were obtained by direct-push drill rig (MM-B1 through MM-B8 with 0- to 4- and 4- to 8-foot depth intervals at each boring). Groundwater samples were obtained from temporary well screens set at two of the direct-push soil boring locations (MM-B1-W and MM-B3-W). The soil and groundwater sample locations are shown on the Site Plan, Figure 2.

The results of the Limited Phase II ESA indicated that surface soil at two locations had petroleum impacts (oil-range organics) greater than the MTCA Method A cleanup levels for unrestricted land use. Two of the soil samples exceeded the Method A cleanup levels for metals (mercury and lead). Select WSDOT soil samples with detections are presented in Table 1A. Please see WSDOT's US 101 Midway Metals Limited Phase II Environmental Site Assessment memorandum for the complete set of data tables.

2.3. GeoEngineers Site Investigation

GeoEngineers completed a site investigation in December 2011 and February 2012 where 21 soil borings were drilled on Site using a direct-push drill rig operated by Cascade Drilling of Woodinville, Washington. One of the 21 borings (DP-2) was installed as a temporary monitoring well point. The boring met refusal before encountering groundwater. A description of the GeoEngineers field exploration program and soil boring logs are included in Appendix B.

The initial objective of these borings was to characterize the soil and groundwater on site. Of the 20 soil borings, only three encountered groundwater available for sampling (DP-1, DP-12 and DP-15). A fourth boring was attempted to obtain a groundwater sample (DP-2) adjacent to the decommissioned well in the northeast portion of the site. This location did not produce

groundwater. Thirteen of the borings were completed to a maximum depth (sample probe refusal) between 9 and 20 feet bgs without encountering groundwater. Four of the borings (DP-18 through DP-21) were completed to 5 feet bgs to assess surface soil conditions.

In addition to the soil and groundwater samples, GeoEngineers collected four hand auger samples to 2 feet bgs, three surface water samples and nine drainage ditch sediment samples. The drainage ditches shown on Figure 2 did not contain flowing surface water at the time of our Site visits. The three surface water samples were collected from the standing water observed in these ditches. The drainage ditches, surface water samples and sediment samples located on Site are shown on Figure 3.

2.4. Geologic and Soil Conditions

The local geology beneath the Site and nearby areas consists of Tertiary-age bedrock overlain by Pleistocene-age glacial deposits. Depth to bedrock in the area is approximately 50 feet bgs according to nearby water well logs. Most of the glacial deposits overlying the bedrock resulted from continental glaciers that advanced from the north, with fewer glacial deposits that resulted from alpine glaciation in the Olympic Mountains to the south. The glacial deposits consist of Vashon till; a well graded, highly compacted, very dense to hard mixture of unstratified clay, silt, sand, gravel, and boulders (WA DNR, 2000). According to the USDA Soil Survey of Clallam County Area, from 1987 the surface soil on Site consists of gravelly, sandy loam.

Geologic conditions observed during the Site investigation consisted of an upper unit of silty sand to sandy silt to approximately 2 feet bgs (top soil), underlain by a lower unit of silty sand to silt with varying amounts of sand and gravel (weathered Glacial Till). The lower unit was relatively difficult to probe and typically resulted in sample probe refusal between 9 and 20 feet bgs.

2.5. Groundwater Conditions

Based on review of available water well reports, an aquifer is present in the vicinity of the Site at a depth that ranges between 20 feet and 220 feet bgs. Information regarding hydraulic conductivity for the aquifer is not available. Based on surface topography, the regional groundwater flow direction likely is towards the north and northeast. Groundwater elevations and flow directions vary seasonally.

Shallow groundwater was encountered approximately 10 to 14 feet bgs in the northeast portion of the Site in March and December 2011 in WSDOT borings MM-B1-W and MM-B3-W, and GeoEngineers boring DP-1 shown on Figures 2 and 3, respectively. Groundwater was encountered approximately 3 to 5 feet bgs in the southern portion of the Site in February 2012 in GeoEngineers borings DP-12 and DP-15, shown on Figure 3. Groundwater was not encountered in the remaining 22 soil borings completed by WSDOT and GeoEngineers in 2011 and 2012.

There are two groundwater wells located on Site; one in the southwest portion of the Site and one in the northeast portion of the Site. The well in the northeast portion of the Site has a steel plate welded over the top of the well casing preventing access. See Figure 3 for the well locations.

GeoEngineers measured groundwater levels in the well located in the southwest portion of the Site in December 2011 and February 2012. This well is installed to approximately 33 feet bgs.

Groundwater was 5.22 feet bgs in December and 0.25 feet above ground surface in February. Soil borings (DP-16 and DP-17) completed near this well did not encounter groundwater at the time they were completed (February 2012).

Shallow groundwater encountered in the soil borings completed on Site appears to be related to isolated perched lenses.

3.0 NATURE AND EXTENT OF CONTAMINATION

Previous investigations of soil and groundwater conducted at the Site by Ecology and Clallam County Environmental Health (Initial Investigation Field Report, 2006) and by WSDOT (Phase II ESA, 2011) had soil and groundwater samples analyzed for the following potential contaminants of concern:

- Gasoline-, diesel-, and lube oil-range TPH;
- Metals; and
- BTEX VOCs.

The Initial Investigation Field Report summarizes the analytical results for three soil samples collected from selected areas during the site visit. These source areas included a lawn mower storage area, an inner circle area where heavy machinery parts and scrap was stored and a battery storage shed area. The soil analytical results were compared to MTCA Method A cleanup levels for unrestricted land use and are included on Table 1A.

The WSDOT Phase II ESA memorandum summarizes the analytical results for 18 soil samples and two groundwater samples collected from a portion of the Site. The soil and groundwater analytical results were compared to MTCA Method A cleanup levels. Select sample results are provided on Table 1A.

GeoEngineers submitted the following to OnSite Environmental, Inc. of Redmond, Washington:

- Thirty-nine soil samples (from 20 soil borings and four hand auger locations),
- Four groundwater samples (from three soil borings and one existing groundwater well),
- Nine sediment samples, and
- Three surface water samples.

The soil, groundwater and sediment sample results were compared to MTCA Method A cleanup levels for unrestricted land use. The surface water samples were compared to MTCA Method B carcinogenic standard formula values for surface water along with the applicable or relevant and appropriate requirements (ARARs) for chronic exposure to freshwater aquatic life.

The chemical analytical data from all of the site investigations provide the basis for the description of the nature and extent of contamination. The analytical data collected during GeoEngineers 2011 and 2012 Site investigation are provided in Tables 2A, 2B, 2C, 2D, 3, 4 and 5.

A summary of the samples from all Site investigations with contaminants detected at concentrations greater than respective regulatory action levels are listed below (analytical results in parentheses).

3.1. Soil (MTCA Method A Unrestricted Land Use)

- Lube Oil-Range Hydrocarbons – Sample 3 Batteries (10,000 mg/kg), MM-SC2 (4,900 mg/kg) and MM-SC3 (4,300 mg/kg)
- Cadmium – DP-4 (2.5 mg/kg), DP-5 (2.1 mg/kg), DP-6 (3.2 mg/kg), HA3 (2.7 mg/kg), Sample 1 Lawn Mower (4.1 mg/kg), Sample 2 Tier 2 West (3.5 mg/kg) and Sample 3 Batteries (7.1 mg/kg)
- Lead – Sample 3 Batteries (3,000 mg/kg) and MM-SC3 (300 mg/kg)
- Mercury – MM-B7-0-4 (2.0 mg/kg)
- Total cPAHs – DP-9 (190.4 µg/kg)

3.2. Groundwater (MTCA Method A Table Value)

- Total Arsenic – DP-1-W (18 µg/l), DP-12-W (12 µg/l) and DP-15-W (27 µg/l)
- Total Chromium – DP-12-W (140 µg/l) and DP-15-W (180 µg/l)
- Total Lead – DP-15-W (16 µg/l)
- Dissolved Arsenic – DP-1-W (21 µg/l)

3.3. Sediment (MTCA Method A Unrestricted Land Use)

- cPAHs – SED5 (356.9 µg/kg)

3.4. Surface Water (ARAR – Aquatic Life - Fresh/Chronic - Ch. 173-201A WAC)¹

- Total Lead – SW1 (7.4 µg/l), SW2 (4.0 µg/l) and SW9 (8.3 µg/l)
- Dissolved Lead – SW1 (1.4 µg/l), SW2 (1.4 µg/l) and SW9 (1.6 µg/l)
- Total Aroclors (PCBs) – SW1 (0.074 µg/l)

3.5. Surface Water (ARAR – Aquatic Life - Fresh/Chronic - Clean Water Act §304)¹

- Total Lead – SW1 (7.4 µg/l), SW2 (4.0 µg/l) and SW9 (8.3 µg/l)
- Total Aroclors (PCBs) – SW1 (0.074 µg/l)

3.6. Surface Water (ARAR – Aquatic Life - Fresh/Chronic - National Toxics Rule, 40 CFR 131)¹

- Total Lead – SW1 (7.4 µg/l), SW2 (4.0 µg/l) and SW9 (8.3 µg/l)

¹ ARARs and data gaps are currently being evaluated as part of the final RI (risk assessment).

The results listed above are summarized in Tables 1A, 1B and 1C. All GeoEngineers sample results are presented in Tables 2 through 5. The complete sets of GeoEngineers laboratory analytical data are included in Appendix A.

3.7. Contaminants of Concern

The Contaminants of Concern (COCs) listed below are contaminants that exceeded MTCA screening levels for soil.

- Lube oil-range total petroleum hydrocarbons (TPH) by Ecology approved method NWTPH-Dx,
- Cadmium, lead and mercury by EPA Methods 6000/7000 and 200.8, and
- Total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by EPA Method 8270D/SIM.

Figure 4 shows the lateral extent of cadmium contamination in surface soil above the MTCA Method A cleanup level for unrestricted land use. In general the COCs were detected in soil at depths less than 4 feet bgs. All other COCs detected in soil at the Site are located within the lateral extent of cadmium shown on Figure 4.

Total chromium was detected at concentrations less than applicable MTCA Method A cleanup level for unrestricted land use in samples at the Site. Based on these detections, two samples (DP-13-0.0-1.5 and HA4-0.0-2.0) were also submitted for analysis of hexavalent chromium. Hexavalent chromium was not detected at concentrations greater than the reporting limits in either sample.

3.8. Current and Likely Future Land Use

The Site is located on property zoned by Clallam County as Rural Low (R5). The County has no plans to rezone the property. The northern 25 percent of the property will be incorporated into the US Highway 101 ROW following the WSDOT US 101 - Shore Road to Kitchen-Dick Road - Widening Project planned for late 2012.

3.9. Exposure Pathways and Receptors of Potential Concern

Potential exposure pathways related to these media are discussed below.

3.9.1. Soil and Sediment

The following potential exposure pathways and receptors exist for contaminants that may be present in soil:

- Direct contact (dermal absorption and ingestion) by Site visitors and workers (including construction workers); and
- Direct contact (dermal absorption and ingestion) by domestic animals (pets) and terrestrial wildlife.

3.9.2. Groundwater

Ingestion of perched groundwater by humans is not considered a potential exposure pathway of concern because the perched groundwater is not currently being used and will not be used in the future as drinking water.

3.9.3. Surface Water

Surface water at the Site is not considered to be a separate environmental medium requiring further remedial action because it is an intermittent drainage channel and is not hydraulically connected to any nearby permanent surface water bodies. Completion of the Highway 101 Widening Project is expected to reduce or eliminate COC concentrations in seasonal surface water/rainwater runoff at the Site. Surface water flow in the Highway 101 ditch was not observed during site visits in December 2011 and February 2012.

If surface water was present it would likely flow to the east for 250 feet from the northeast corner of the Site, then would cross under the highway to the north for approximately 550 feet to a storm water infiltration pond. The storm water infiltrates within the pond to prevent runoff to the nearest surface water body, McDonald Creek located approximately 1,000 feet to the east. This highway drainage ditch system will be realigned during the Highway 101 Widening Project.

3.9.4. Soil Vapor

VOCs were not detected in soil or groundwater at levels greater than the MTCA Method A values at any sample locations on Site. Permanent structures (residences, office buildings, etc.) are not planned for the Site and the lower 25 percent will be developed into highway ROW.

4.0 CONCLUSIONS

Cadmium was detected in the surface soil at concentrations greater than the MTCA Method A cleanup level for unrestricted land use in the area shown on Figure 4 to a maximum depth of 2 feet bgs. All other soil samples with analytes that exceeded MTCA Method A cleanup levels for unrestricted land use are within the area shown on Figure 4 and would be remediated if the cleanup targeted removal of soil containing cadmium above MTCA clean up levels.

One of nine sediment samples (SED5) had a detection of cPAHs above the MTCA Method A cleanup levels for unrestricted land use, but was confined to the US Highway 101 drainage ditch. CPAHs were not detected above the MTCA Method A cleanup levels for unrestricted land use in the ditch sediment on the Midway Metals property.

Groundwater observed and sampled on the property during the Site investigation appeared to be limited to discontinuous perched lenses. Dissolved arsenic was detected in a shallow groundwater sample from the northeast portion of the site (DP-1-W) at a concentration (21 µg/l) exceeding the MTCA Method A Table Value (5 µg/l). Total chromium was detected in shallow groundwater samples from the southern portion of the site (DP-12-W [140 µg/l] and DP-15-W [180 µg/l]) at concentrations exceeding the MTCA Method A Table Value (50 µg/l). Total Lead was also detected in groundwater from sample DP-15-W at a concentration (16 µg/l) exceeding the MTCA Method A Table Value (15 µg/l). All dissolved metals analyzed in samples from DP-12-W and DP-15-W were

below the MTCA Method A Table Values. Groundwater sampled from the on-site well in the southwest corner of the property was non-detect for any analytes above MTCA Method A Table Values.

Sample location SW1 had analytes that exceed one or more of the surface water ARARs for freshwater aquatic life. Surface water at this location collects in the drainage ditch following periods of rainfall and is dry during the drier months of the year. The other two surface water samples were collected in the US Highway 101 ditch where standing water was present. GeoEngineers reviewed the Washington State Department of Fish and Wildlife's Salmon Scape, an online mapping resource to classify the adjacent highway ditch and storm water infiltration pond. Washington State Department of Fish and Wildlife (Salmon Scape) identified McDonald Creek as the nearest salmon bearing stream and the highway ditch and stormwater infiltration pond as non-fish bearing. Figure 5 shows the highway ditch and pond system relative to McDonald Creek and the Site.

We propose that a separate soil management plan be developed to be used during construction to manage and dispose of contaminated soil and assist in managing subsequent risks (e.g., install possible institutional controls to protect the highway ROW from contaminants on the adjacent property).

TABLE 1A
CHEMICAL ANALYTICAL DATA SUMMARY
SURFACE SOIL AND SEDIMENT
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Sample Identification	Date Collected	Sample Depth Interval (ft)	Analytes - Soil & Sediment											
			Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx			EPA6010B/7471A/SW7196A			PCBs by SW8082				cPAHs by SW8270	
			Gasoline-range hydrocarbons (mg/kg)	Diesel-range hydrocarbons (mg/kg)	Lube Oil-range Hydrocarbons (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	PCB- aroclor 1242 (µg/kg)	PCB- aroclor 1254 (µg/kg)	PCB- aroclor 1260 (µg/kg)	Total Aroclors (µg/kg)	Benzo(a) pyrene (µg/kg)	Total cPAH ⁵ TTEC (ND=0.5RL) (µg/kg)
Sample 1 Lawn Mower ¹	10/10/2006	0-2	--	120	530	4.1	172	--	--	--	--	--	--	--
Sample 2 Tier 2 West ¹	10/10/2006	0-2	--	280	1,300	3.5	136	--	--	--	--	--	--	--
Sample 3 Batteries ¹	10/10/2006	0-2	--	1,800	10,000	7.1	3,000	--	--	--	--	--	--	--
MM-B7-0-4 ²	3/2011	0-4	--	--	110	--	12	2.0	--	--	--	--	--	--
MM-B8-0-4 ²	3/2011	0-4	--	--	1,900	--	18	--	--	--	--	--	--	--
MM-SC2 ²	3/2011	0-2	24	--	4,900	3.5	150	--	--	--	--	--	--	--
MM-SC3 ²	3/2011	0-2	13	--	4,300	2.7	300	--	--	--	--	--	--	--
DP-3-0.0-2.0 ³	12/13/2011	0-2	6.3 U	180 U	880	0.8	40	0.29 U	59 U	59 U	59 U	59 U	28	38.15
DP-4-0.0-2.0 ³	12/13/2011	0-2	7.6 U	100 U	580	2.5	150	0.67	420	67 U	67 U	420	9.5	12.92
DP-5-0.0-2.0 ³	12/13/2011	0-2	5.7 U	200 U	1,100	2.1	130	0.32	89	140	58 U	229	46	62.72
DP-6-0.0-2.0 ³	12/13/2011	0-2	5.4 U	280	1,100	3.2	160	0.28 U	140	56 U	130	270	33	45.63
DP-7-0.0-2.0 ³	12/14/2011	0-2	7.2 U	34	130	0.81	93	0.32 U	120	63 U	79	199	8.5 U	9.24
DP-8-0.0-2.0 ³	12/14/2011	0-2	18	30 U	150	0.55 U	24	0.27 U	55 U	58	55 U	58	7.3 U	6.06
DP-9-0.0-2.0 ³	12/14/2011	0-2	8.4 U	73 U	360	1.6	85	0.35 U	70 U	70 U	70 U	70 U	140	190.4
DP-10-0.0-2.0 ³	12/14/2011	0-2	42	34 U	120	0.58 U	8.3	0.29 U	58 U	58 U	58 U	58 U	7.8 U	5.89 U
DP-11-0.0-2.0 ³	12/14/2011	0-2	5.8 U	91 U	480	0.89	26	0.29 U	58 U	58 U	58 U	58 U	7.7 U	7.11
DP-12-0.0-2.0 ³	2/8/2012	0-2	5.3 U	28 U	130	0.55 U	19	0.28 U	55 U	55 U	55 U	55 U	21	24.31
DP-21-0.0-2.0 ³	2/8/2012	0-2	--	100	470	0.83	48	0.29 U	--	--	--	--	--	--
HA3-0.0-2.0 ³	2/9/2012	0-2	--	110 U	660	2.7	150	0.30 U	--	--	--	--	--	--
SED5 ³	12/13/2011	--	7.6 U	120 U	950	0.89	120	0.33 U	69 U	160	66 U	160	270	356.9
MTCA Method A Cleanup Level - Unrestricted Land Use			100	2,000	2,000	2.0	250	2.0	NE	NE	NE	1,000	100	100

Bold Type Exceeds MTCA A (Soil - Method A Unrestricted Land Use)

TABLE 1B
CHEMICAL ANALYTICAL DATA SUMMARY
GROUNDWATER
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Sample Identification	Date Collected	Sample Depth Interval (ft)	Analytes - Groundwater			
			Metals by EPA6010B/7471A/SW7196A			
			Total Arsenic (µg/l)	Dissolved Arsenic (µg/l)	Total Chromium (µg/l)	Total Lead (µg/l)
DP1-W ³	12/13/2011	-	18	21	26	1.1 U
DP12-W ³	2/8/2012	-	12	3.0 U	140	12
DP15-W ³	2/8/2012	-	27	3.0 U	180	16
MTCA Method A Table Value			5.0	5.0	50	15
Bold Type Exceeds MTCA A (Groundwater - Table Value)						

TABLE 1C
CHEMICAL ANALYTICAL DATA SUMMARY
SURFACE WATER
WSDOT MIDWAY METALS
SEQUIM, WASHINGTON

Sample Identification	Date Collected	Sample Depth Interval (ft)	Analytes - Surface Water		
			Metals by EPA6010B/7471A/SW7196A		PCBs by SW8082
			Lead (µg/l)	Lead (µg/l)	Aroclors (µg/l)
SW1 ³	12/13/2011	-	7.4	1.4	0.074 T
SW2 ³	12/13/2011	-	4.0	1.4	0.048 UT
SW9 ³	2/8/2012	-	8.3	1.6	0.053 UT
Surface Water ARAR - Aquatic Life - Fresh/Chronic - Ch. 173-201A WAC			0.54	0.54	0.014
Surface Water ARAR - Aquatic Life - Fresh/Chronic - Clean Water Act §304			2.5	2.5	0.014
Surface Water ARAR - Aquatic Life - Fresh/Chronic - National Toxics Rule, 40 CFR 131			2.5	2.5	0.14
Bold Type Exceeds One or More ARAR Screening Level					

Notes:

¹ Samples collected by Washington State Department of Ecology and Clallam County Environmental Health Department (Initial Investigation Field Report, 2006).

² Samples collected by Washington State Department of Transportation (Phase II Environmental Site Assessment, 2011).

³ Samples collected by GeoEngineers (Site Investigation, 2011 and 2012).

PCBs = Polychlorinated biphenyls

cPAHs = Carcinogenic polycyclic aromatic hydrocarbons

- = Not analyzed

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

µg/l = microgram per liter

mg/l = milligram per liter

U = The analyte was not detected at a concentration greater than the given RL or MDL.

TABLE 2A
CHEMICAL ANALYTICAL DATA - SOIL¹
BORINGS DP-1 TO DP-6
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-1-0-2 12/13/11 0 - 2	DP-1-13-15 12/13/11 13 - 15	DP-3-0-2 12/13/11 0 - 2	DP-3-3-4 ³ 12/13/11 3 - 4	DP-4-0-2 12/13/11 0 - 2	DP-4-5-6 ³ 12/13/11 5 - 6	DP-5-0-2 12/13/11 0 - 2	DP-5-6-7 ³ 12/13/11 6 - 7	DP-6-0-2 12/13/11 0 - 2	DP-6-3.5-4.5 ³ 12/13/11 3.5 - 4.5	DP-6-11.5-12.5 12/13/11 11.5 - 12.5	MTCA ² A ULU
Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx													
Gasoline-range hydrocarbons	mg/kg	6.2 U	5.9 U	6.3 U	--	7.6 U	--	5.7 U	--	5.4 U	--	5.7 U	100
Diesel-range hydrocarbons	mg/kg	29 U	30 U	180 U	29 U	100 U	32 U	200 U	30 U	280	29 U	30 U	2,000
Lube Oil-range Hydrocarbons	mg/kg	58 U	59 U	880	58 U	580	64 U	1,100	60 U	1,100	59 U	60 U	2,000
Metals by EPA6010B/7471A/SW7196A													
Arsenic	mg/kg	12 U	12 U	12 U	--	13 U	13 U	12 U	12 U	11 U	12 U	12 U	20
Barium	mg/kg	70	30	89	--	99	54	120	72	72	46	42	NE
Cadmium	mg/kg	0.58 U	0.59 U	0.8	--	2.5	0.64 U	2.1	0.6 U	3.2	0.59 U	0.6 U	2.0
Chromium ⁴	mg/kg	34	29	36	--	42	46	35	50	41	34	26	NE
Lead	mg/kg	5.8 U	5.9 U	40	--	150	6.4 U	130	6 U	160	5.9 U	6 U	250
Mercury	mg/kg	0.29 U	0.3 U	0.29 U	--	0.67	0.32 U	0.32	0.3 U	0.28 U	0.29 U	0.3 U	2.0
Selenium	mg/kg	12 U	12 U	12 U	--	13 U	13 U	12 U	12 U	11 U	12 U	12 U	NE
Silver	mg/kg	0.58 U	0.59 U	0.59 U	--	0.67 U	0.64 U	0.58 U	0.6 U	0.56 U	0.59 U	0.6 U	NE
PCBs by SW8082													
PCB-aroclor 1016	µg/kg	58 U	59 U	59 U	--	67 U	64 U	58 U	60 U	56 U	59 U	60 U	NE
PCB-aroclor 1221	µg/kg	58 U	59 U	59 U	--	67 U	64 U	58 U	60 U	56 U	59 U	60 U	NE
PCB-aroclor 1232	µg/kg	58 U	59 U	59 U	--	67 U	64 U	58 U	60 U	56 U	59 U	60 U	NE
PCB-aroclor 1242	µg/kg	58 U	59 U	59 U	--	420	64 U	89	60 U	140	59 U	60 U	NE
PCB-aroclor 1248	µg/kg	58 U	59 U	59 U	--	67 U	64 U	58 U	60 U	56 U	59 U	60 U	NE
PCB-aroclor 1254	µg/kg	58 U	59 U	59 U	--	67 U	64 U	140	60 U	56 U	59 U	60 U	NE
PCB-aroclor 1260	µg/kg	58 U	59 U	59 U	--	67 U	64 U	58 U	60 U	130	59 U	60 U	NE
Total Aroclors	µg/kg	58 U	59 U	59 U	--	420	64 U	229	60 U	270	59 U	60 U	1,000
PAHs by SW8270													
1-Methylnaphthalene	µg/kg	7.8 U	7.9 U	10	--	8.9 U	--	15	--	16	--	8 U	NE
2-Methylnaphthalene	µg/kg	7.8 U	7.9 U	20	--	18	--	32	--	45	--	8 U	NE
Acenaphthene	µg/kg	7.8 U	7.9 U	7.8 U	--	8.9 U	--	7.7 U	--	8.5	--	8 U	NE
Acenaphthylene	µg/kg	7.8 U	7.9 U	11	--	8.9 U	--	7.7 U	--	9.9	--	8 U	NE
Anthracene	µg/kg	7.8 U	7.9 U	11	--	8.9 U	--	14	--	15	--	8 U	NE
Benzo(a)anthracene	µg/kg	7.8 U	7.9 U	24	--	8.9 U	--	36	--	26	--	8 U	NE
Benzo(a)pyrene	µg/kg	7.8 U	7.9 U	28	--	9.5	--	46	--	33	--	8 U	100
Benzo(b)fluoranthene	µg/kg	7.8 U	7.9 U	39	--	15	--	62	--	47	--	8 U	NE
Benzo(ghi)perylene	µg/kg	7.8 U	7.9 U	25	--	12	--	45	--	38	--	8 U	NE
Benzo(j,k)fluoranthene	µg/kg	7.8 U	7.9 U	11	--	8.9 U	--	17	--	16	--	8 U	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-1-0-2 12/13/11 0 - 2	DP-1-13-15 12/13/11 13 - 15	DP-3-0-2 12/13/11 0 - 2	DP-3-3-4 ³ 12/13/11 3 - 4	DP-4-0-2 12/13/11 0 - 2	DP-4-5-6 ³ 12/13/11 5 - 6	DP-5-0-2 12/13/11 0 - 2	DP-5-6-7 ³ 12/13/11 6 - 7	DP-6-0-2 12/13/11 0 - 2	DP-6-3.5-4.5 ³ 12/13/11 3.5 - 4.5	DP-6-11.5-12.5 12/13/11 11.5 - 12.5	MTCA ² A ULU
Chrysene	µg/kg	7.8 U	7.9 U	36	--	14	--	50	--	35	--	8 U	NE
Dibenzo(a,h)anthracene	µg/kg	7.8 U	7.9 U	7.8 U	--	8.9 U	--	9.2	--	7.5 U	--	8 U	NE
Dibenzofuran	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Fluoranthene	µg/kg	7.8 U	7.9 U	45	--	17	--	63	--	45	--	8 U	NE
Fluorene	µg/kg	7.8 U	7.9 U	7.8 U	--	8.9 U	--	8.2	--	13	--	8 U	NE
Indeno(1,2,3-cd)pyrene	µg/kg	7.8 U	7.9 U	20	--	8.9 U	--	38	--	30	--	8 U	NE
Naphthalene	µg/kg	7.8 U	7.9 U	21	--	15	--	33	--	38	--	8 U	5,000
Phenanthrene	µg/kg	7.8 U	7.9 U	34	--	17	--	49	--	40	--	8 U	NE
Pyrene	µg/kg	13	7.9 U	47	--	20	--	68	--	63	--	8 U	NE
Total cPAH ⁵ TTEC (ND=0.5RL)	µg/kg	5.89 U	5.96 U	38.15	--	12.92	--	62.72	--	45.63	--	6.04 U	100
VOCs by SW8260													
1,1,1,2-Tetrachloroethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,1,1,1-Trichloroethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	2,000
1,1,2,2-Tetrachloroethane	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,1,2-Trichloroethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,1-Dichloroethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,1-Dichloroethene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,1-Dichloropropene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,2,3-Trichlorobenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,2,3-Trichloropropane	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,2,4-Trichlorobenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,2,4-Trimethylbenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,2-Dibromo-3-Chloropropane	µg/kg	4.7 U	5.3 U	5.5 U	--	380 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
1,2-dibromoethane (EDB)	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	5.0
1,2-Dichlorobenzene (o-Dichlorobenzene)	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	1.9	0.95 U	NE
1,2-Dichloroethane (EDC)	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,2-Dichloropropane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,3,5-Trimethylbenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,3-Dichloropropane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
1,4-Dichlorobenzene (p-Dichlorobenzene)	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
2,2-Dichloropropane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
2-Butanone (MEK)	µg/kg	35	5.3 U	100	--	5.6 U	5.6 U	5.2 U	5.4 U	6.0	4.8 U	4.8 U	NE
2-Chloroethyl vinyl ether	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
2-Chlorotoluene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
2-Hexanone	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-1-0-2 12/13/11 0 - 2	DP-1-13-15 12/13/11 13 - 15	DP-3-0-2 12/13/11 0 - 2	DP-3-3-4 ³ 12/13/11 3 - 4	DP-4-0-2 12/13/11 0 - 2	DP-4-5-6 ³ 12/13/11 5 - 6	DP-5-0-2 12/13/11 0 - 2	DP-5-6-7 ³ 12/13/11 6 - 7	DP-6-0-2 12/13/11 0 - 2	DP-6-3.5-4.5 ³ 12/13/11 3.5 - 4.5	DP-6-11.5-12.5 12/13/11 11.5 - 12.5	MTCA ² A ULU
4-Chlorotoluene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
4-Methyl-2-Pentanone (Methyl isobutyl ketone)	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
Acetone	µg/kg	200 E	46	520	--	5.6 U	5.6 U	5.2 U	5.4 U	53	16	4.8 U	NE
Benzene	µg/kg	1.4	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	30
Bromobenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Bromochloromethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Bromodichloromethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Bromoform (Tribromomethane)	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Bromomethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Carbon Disulfide	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Carbon Tetrachloride	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Chlorobenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Chloroethane	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
Chloroform	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Chloromethane	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
Cis-1,2-Dichloroethene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Cis-1,3-Dichloropropene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Dibromochloromethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Dibromomethane	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Dichlorodifluoromethane (CFC-12)	µg/kg	2.2	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Ethylbenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	6,000
Hexachlorobutadiene	µg/kg	4.7 U	5.3 U	5.5 U	--	380 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
Isopropylbenzene (Cumene)	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Methyl Iodide (Iodomethane)	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
Methyl t-butyl ether	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	100
Methylene Chloride	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	20
Naphthalene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	4.2	1.1 U	0.95 U	0.97 U	0.95 U	5,000
n-Butylbenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
n-Propylbenzene	µg/kg	4.3	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
p-Isopropyltoluene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Sec-Butylbenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Styrene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Tert-Butylbenzene	µg/kg	0.94 U	1.1 U	1.1 U	--	75 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Tetrachloroethene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	4.0	1.1 U	1.6	0.97 U	0.95 U	50
Toluene	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	7,000
Trans-1,2-Dichloroethene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Trans-1,3-Dichloropropene	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Trichloroethene (TCE)	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	30

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-1-0-2 12/13/11 0 - 2	DP-1-13-15 12/13/11 13 - 15	DP-3-0-2 12/13/11 0 - 2	DP-3-3-4 ³ 12/13/11 3 - 4	DP-4-0-2 12/13/11 0 - 2	DP-4-5-6 ³ 12/13/11 5 - 6	DP-5-0-2 12/13/11 0 - 2	DP-5-6-7 ³ 12/13/11 6 - 7	DP-6-0-2 12/13/11 0 - 2	DP-6-3.5-4.5 ³ 12/13/11 3.5 - 4.5	DP-6-11.5-12.5 12/13/11 11.5 - 12.5	MTCA ² A ULU
Trichlorofluoromethane (CFC-11)	µg/kg	0.94 U	1.1 U	640	--	3,600	1.1 U	11	1.1 U	9.0	0.97 U	0.95 U	NE
Vinyl Acetate	µg/kg	4.7 U	5.3 U	5.5 U	--	5.6 U	5.6 U	5.2 U	5.4 U	4.8 U	4.8 U	4.8 U	NE
Vinyl Chloride	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Xylene, m-,p-	µg/kg	1.9 U	2.1 U	2.2 U	--	2.2 U	2.3 U	2.1 U	2.2 U	1.9 U	1.9 U	1.9 U	NE
Xylene, o-	µg/kg	0.94 U	1.1 U	1.1 U	--	1.1 U	1.1 U	1.0 U	1.1 U	0.95 U	0.97 U	0.95 U	NE
Xylene, Total	µg/kg	2.8 U	3.2 U	3.3 U	--	3.3 U	3.4 U	3.1 U	3.3 U	2.9 U	2.9 U	2.9 U	9,000
SVOCs by SW8270													
1,2-Diphenylhydrazine	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
1,3-Dinitrobenzene	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,3,4,6-Tetrachlorophenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,3,5,6-Tetrachlorophenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,3-DICHLOROANILINE	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,4,5-Trichlorophenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,4,6-Trichlorophenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,4-Dichlorophenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,4-Dimethylphenol	µg/kg	390 U	--	--	--	--	--	--	--	1,900 U	--	--	NE
2,4-Dinitrophenol	µg/kg	190 U	--	--	--	--	--	--	--	940 U	--	--	NE
2,4-Dinitrotoluene	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2,6-Dinitrotoluene	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2-Chloronaphthalene	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2-Chlorophenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2-Nitroaniline	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
2-Nitrophenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
3,3'-Dichlorobenzidine	µg/kg	390 U	--	--	--	--	--	--	--	1,900 U	--	--	NE
3-Nitroaniline	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
4,6-Dinitro-2-Methylphenol	µg/kg	190 U	--	--	--	--	--	--	--	940 U	--	--	NE
4-Bromophenyl phenyl ether	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
4-Chloro-3-Methylphenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
4-Chloroaniline	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
4-Chlorophenyl-Phenylether	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
4-Nitroaniline	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
4-Nitrophenol (p-Nitrophenol)	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Aniline	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Benzene, 1,4-Dinitro-	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Benzidine	µg/kg	390 U	--	--	--	--	--	--	--	1,900 U	--	--	NE
Benzyl Alcohol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Bis(2-Chloroethoxy)Methane	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Bis(2-Chloroethyl)Ether	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-1-0-2 12/13/11 0 - 2	DP-1-13-15 12/13/11 13 - 15	DP-3-0-2 12/13/11 0 - 2	DP-3-3-4 ³ 12/13/11 3 - 4	DP-4-0-2 12/13/11 0 - 2	DP-4-5-6 ³ 12/13/11 5 - 6	DP-5-0-2 12/13/11 0 - 2	DP-5-6-7 ³ 12/13/11 6 - 7	DP-6-0-2 12/13/11 0 - 2	DP-6-3.5-4.5 ³ 12/13/11 3.5 - 4.5	DP-6-11.5-12.5 12/13/11 11.5 - 12.5	MTCA ² A ULU
Bis(2-chloroisopropyl) ether	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Bis(2-Ethylhexyl) Phthalate	µg/kg	190 U	--	--	--	--	--	--	--	970	--	--	NE
Butyl benzyl phthalate	µg/kg	390 U	--	--	--	--	--	--	--	1,900 U	--	--	NE
Carbazole	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Dibutyl phthalate	µg/kg	390 U	--	--	--	--	--	--	--	1,900 U	--	--	NE
Diethyl phthalate	µg/kg	190 U	--	--	--	--	--	--	--	940 U	--	--	NE
Dimethyl phthalate	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Di-N-Octyl Phthalate	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Hexachlorobenzene	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Hexachlorocyclopentadiene	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Hexachloroethane	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Hexanedioic Acid, Bis(2-Ethylhexyl) Ester	µg/kg	190 U	--	--	--	--	--	--	--	940 U	--	--	NE
Isophorone	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
m,p-Cresol	µg/kg	44	--	--	--	--	--	--	--	190 U	--	--	NE
Naphthalene	µg/kg	7.8 U	--	--	--	--	--	--	--	38	--	--	5,000
Nitrobenzene	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
N-Nitrosodimethylamine	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
N-Nitrosodi-n-propylamine	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
N-Nitrosodiphenylamine	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
o-Cresol (2-methylphenol)	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
O-DINITROBENZENE	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Pentachlorophenol	µg/kg	190 U	--	--	--	--	--	--	--	940 U	--	--	NE
Phenol	µg/kg	39 U	--	--	--	--	--	--	--	190 U	--	--	NE
Pyridine	µg/kg	390 U	--	--	--	--	--	--	--	1,900 U	--	--	NE

Notes:

¹ Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

² Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 WAC. Method A Unrestricted Land Use (ULU) cleanup levels.

³ Sample holding time was exceeded by one day for follow up analysis.

⁴ The published natural background concentration for chromium in the Puget Sound region is 48 mg/kg (*Natural Background Soil Metals Concentrations in Washington State*. Publication #94-115. October 1994).

⁵ cPAH testing and regulatory evaluation is completed for individual carcinogenic compounds as well as the for the summation of the mixture of the seven carcinogenic PAHs (known as Ecology's toxicity equivalency methodology). The summation procedure is completed using toxicity equivalency factors for each individual compound which are then added to produce a total toxicity equivalent concentration (TTEC) which is then compared to the MTCA cleanup level of 0.1 mg/kg (or 100 µg/kg).

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

VOCs = Volatile organic compound

SVOCs = Semivolatile organic compound

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

-- = Not analyzed

U = The analyte was not detected at a concentration greater than the given RL or MDL.

E = The concentration reported exceeds the quantitation range and is an estimate.

H = The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and may be impacting the sample result.

J = The value reported was below the practical quantitation limit. The value is an estimate.

NE = A cleanup level has not been established by Ecology.

Bold Type Exceeds MTCA A (Soil - Unrestricted Land Use Cleanup Level)

TABLE 2B
CHEMICAL ANALYTICAL DATA - SOIL¹
BORINGS DP-7 TO DP-11
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-7-0-2 12/14/11 0 - 2	DP-7-5-6 12/14/11 5 - 6	DP-8-0-2 12/14/11 0 - 2	DP-8-2-3 ³ 12/14/11 2 - 3	DP-9-0-2 12/14/11 0 - 2	DP-9-6-7 ³ 12/14/11 6 - 7	DP-10-0-2 12/14/11 0 - 2	DP-10-13-15 12/14/11 13 - 15	DP-DUPE-1 12/14/11 13 - 15	DP-11-0-2 12/14/11 2 - 2	DP-11-2-3.5 12/14/11 2 - 3.5	MTCA ² A ULU
Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx													
Gasoline-range hydrocarbons	mg/kg	7.2 U	-	18	5.2 U	8.4 U	-	42	5.1 U	5.7 U	5.8 U	5.1 U	100
Diesel-range hydrocarbons	mg/kg	34	-	30 U	-	73 U	-	34 U	28 U	28 U	91 U	29 U	2,000
Lube Oil-range Hydrocarbons	mg/kg	130	-	150	-	360	-	120	56 U	56 U	480	58 U	2,000
Metals by EPA6010B/7471A/SW7196A													
Arsenic	mg/kg	13 U	-	11 U	-	14 U	-	12 U	11 U	11 U	12 U	12 U	20
Barium	mg/kg	88	-	46	-	84	-	70	58	56	82	74	NE
Cadmium	mg/kg	0.81	-	0.55 U	-	1.6	-	0.58 U	0.56 U	0.56 U	0.89	0.58 U	2.0
Chromium ⁴	mg/kg	31	-	29	-	46	-	34	38	33	37	45	NE
Chromium, Hexavalent	mg/kg	-	-	-	-	-	-	-	-	-	-	-	19
Lead	mg/kg	93	-	24	-	85	-	8.3	5.6 U	5.6 U	26	5.8 U	250
Mercury	mg/kg	0.32 U	-	0.27 U	-	0.35 U	-	0.29 U	0.28 U	0.28 U	0.29 U	0.29 U	2.0
Selenium	mg/kg	13 U	-	11 U	-	14 U	-	12 U	11 U	11 U	12 U	12 U	NE
Silver	mg/kg	0.63 U	-	0.55 U	-	0.7 U	-	0.58 U	0.56 U	0.56 U	0.58 U	0.58 U	NE
PCBs by SW8082													
PCB-aroclor 1016	µg/kg	63 U	61 U	55 U	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	NE
PCB-aroclor 1221	µg/kg	63 U	61 U	55 U	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	NE
PCB-aroclor 1232	µg/kg	63 U	61 U	55 U	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	NE
PCB-aroclor 1242	µg/kg	120	61 U	55 U	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	NE
PCB-aroclor 1248	µg/kg	63 U	61 U	55 U	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	NE
PCB-aroclor 1254	µg/kg	63 U	61 U	58	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	NE
PCB-aroclor 1260	µg/kg	79	61 U	55 U	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	NE
Total Aroclors	µg/kg	199	61 U	58	57 U	70 U	-	58 U	56 U	56 U	58 U	58 U	1,000
PAHs by SW8270													
1-Methylnaphthalene	µg/kg	8.5 U	-	7.3 U	-	9.4 U	8.3 U	20	7.5 U	7.5 U	7.7 U	7.7 U	NE
2-Methylnaphthalene	µg/kg	8.8	-	7.3 U	-	13	8.3 U	37	7.5 U	7.5 U	7.7 U	7.7 U	NE
Acenaphthene	µg/kg	8.5 U	-	7.3 U	-	19	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE
Acenaphthylene	µg/kg	8.5 U	-	7.3 U	-	37	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE
Anthracene	µg/kg	8.5 U	-	7.3 U	-	72	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE
Benzo(a)anthracene	µg/kg	27	-	7.3 U	-	160	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE
Benzo(a)pyrene	µg/kg	8.5 U	-	7.3 U	-	140	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	100
Benzo(b)fluoranthene	µg/kg	9.7	-	9.1	-	170	8.3 U	7.8 U	7.5 U	7.5 U	9.9	7.7 U	NE
Benzo(ghi)perylene	µg/kg	8.5 U	-	7.3 U	-	76	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-7-0-2 12/14/11 0 - 2	DP-7-5-6 12/14/11 5 - 6	DP-8-0-2 12/14/11 0 - 2	DP-8-2-3 ³ 12/14/11 2 - 3	DP-9-0-2 12/14/11 0 - 2	DP-9-6-7 ³ 12/14/11 6 - 7	DP-10-0-2 12/14/11 0 - 2	DP-10-13-15 12/14/11 13 - 15	DP-DUPE-1 12/14/11 13 - 15	DP-11-0-2 12/14/11 2 - 2	DP-11-2-3.5 12/14/11 2 - 3.5	MTCA ² A ULU
Benzo(j,k)fluoranthene	µg/kg	8.5 U	-	7.3 U	-	57	8.3 U	7.8 U	7.5 U	7.5 U	10	7.7 U	NE
Chrysene	µg/kg	8.5 U	-	7.3 U	-	150	8.3 U	7.8 U	7.5 U	7.5 U	11	7.7 U	NE
Dibenzo(a,h)anthracene	µg/kg	8.5 U	-	7.3 U	-	20	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE
Dibenzofuran	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Fluoranthene	µg/kg	16	-	8.5	-	350	8.3 U	10	7.5 U	7.5 U	15	7.7 U	NE
Fluorene	µg/kg	8.5 U	-	7.3 U	-	28	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE
Indeno(1,2,3-cd)pyrene	µg/kg	8.5 U	-	7.3 U	-	82	8.3 U	7.8 U	7.5 U	7.5 U	7.7 U	7.7 U	NE
Naphthalene	µg/kg	8.5 U	-	8.1	-	16	8.3 U	29	7.5 U	7.5 U	26	7.7 U	5,000
Phenanthrene	µg/kg	12	-	8.2	-	220	8.3 U	13	7.5 U	7.5 U	10	7.7 U	NE
Pyrene	µg/kg	15	-	10	-	280	8.3 U	11	7.5 U	7.5 U	22	7.7 U	NE
Total cPAH ⁵ TTEC (ND=0.5RSL)	µg/kg	9.24	-	6.06	-	190.4	6.27 U	5.89 U	5.66 U	5.66 U	7.11	5.81 U	100
VOCs by SW8260													
1,1,1,2-Tetrachloroethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,1,1-Trichloroethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	2,000
1,1,2,2-Tetrachloroethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,1,2-Trichloroethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,1-Dichloroethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,1-Dichloroethene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,1-Dichloropropene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,2,3-Trichlorobenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,2,3-Trichloropropane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,2,4-Trichlorobenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,2,4-Trimethylbenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	2,500	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,2-Dibromo-3-Chloropropane	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	290 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
1,2-dibromoethane (EDB)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	5.0
1,2-Dichlorobenzene (o-Dichlorobenzene)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,2-Dichloroethane (EDC)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,2-Dichloropropane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,3,5-Trimethylbenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	840	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,3-Dichloropropane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
1,4-Dichlorobenzene (p-Dichlorobenzene)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
2,2-Dichloropropane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
2-Butanone (MEK)	µg/kg	5.9 U	-	4.6 U	-	9.1	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
2-Chloroethyl vinyl ether	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
2-Chlorotoluene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
2-Hexanone	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-7-0-2 12/14/11 0 - 2	DP-7-5-6 12/14/11 5 - 6	DP-8-0-2 12/14/11 0 - 2	DP-8-2-3 ³ 12/14/11 2 - 3	DP-9-0-2 12/14/11 0 - 2	DP-9-6-7 ³ 12/14/11 6 - 7	DP-10-0-2 12/14/11 0 - 2	DP-10-13-15 12/14/11 13 - 15	DP-DUPE-1 12/14/11 13 - 15	DP-11-0-2 12/14/11 2 - 2	DP-11-2-3.5 12/14/11 2 - 3.5	MTCA ² A ULU
4-Chlorotoluene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
4-Methyl-2-Pentanone (Methyl isobutyl ketone)	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
Acetone	µg/kg	5.9 U	-	4.6 U	-	97	-	4.8 U	4.5 U	4.9 U	49	4.4 U	NE
Benzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	13	0.9 U	0.97 U	1.1 U	0.89 U	30
Bromobenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Bromochloromethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Bromodichloromethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Bromoform (Tribromomethane)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Bromomethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Carbon Disulfide	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Carbon Tetrachloride	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Chlorobenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Chloroethane	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
Chloroform	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Chloromethane	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
Cis-1,2-Dichloroethene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Cis-1,3-Dichloropropene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Dibromochloromethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Dibromomethane	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Dichlorodifluoromethane (CFC-12)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Ethylbenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	230	0.9 U	0.97 U	1.1 U	0.89 U	6,000
Hexachlorobutadiene	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	290 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
Isopropylbenzene (Cumene)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	40	0.9 U	0.97 U	1.1 U	0.89 U	NE
Methyl Iodide (Iodomethane)	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
Methyl t-butyl ether	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	100
Methylene Chloride	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	9.5 H	4.5 U	4.9 U	5.4 U	4.4 U	20
Naphthalene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	660	0.9 U	0.97 U	1.1 U	0.89 U	5,000
n-Butylbenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
n-Propylbenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	270	0.9 U	0.97 U	1.1 U	0.89 U	NE
p-Isopropyltoluene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Sec-Butylbenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	98	0.9 U	0.97 U	1.1 U	0.89 U	NE
Styrene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	5.5	0.9 U	0.97 U	1.1 U	0.89 U	NE
Tert-Butylbenzene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	59 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Tetrachloroethene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	19	0.9 U	0.97 U	1.1 U	0.89 U	50
Toluene	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	410	4.5 U	4.9 U	5.4 U	4.4 U	7,000
Trans-1,2-Dichloroethene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Trans-1,3-Dichloropropene	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Trichloroethene (TCE)	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	30

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-7-0-2 12/14/11 0 - 2	DP-7-5-6 12/14/11 5 - 6	DP-8-0-2 12/14/11 0 - 2	DP-8-2-3 ³ 12/14/11 2 - 3	DP-9-0-2 12/14/11 0 - 2	DP-9-6-7 ³ 12/14/11 6 - 7	DP-10-0-2 12/14/11 0 - 2	DP-10-13-15 12/14/11 13 - 15	DP-DUPE-1 12/14/11 13 - 15	DP-11-0-2 12/14/11 2 - 2	DP-11-2-3.5 12/14/11 2 - 3.5	MTCA ² A ULU
Trichlorofluoromethane (CFC-11)	µg/kg	1.2 U	-	0.92 U	-	3.7	-	780	0.9 U	0.97 U	1.1 U	0.89 U	NE
Vinyl Acetate	µg/kg	5.9 U	-	4.6 U	-	6.7 U	-	4.8 U	4.5 U	4.9 U	5.4 U	4.4 U	NE
Vinyl Chloride	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	0.96 U	0.9 U	0.97 U	1.1 U	0.89 U	NE
Xylene, m-,p-	µg/kg	2.3 U	-	1.8 U	-	2.7 U	-	1,200	1.8 U	1.9 U	2.2 U	1.8 U	NE
Xylene, o-	µg/kg	1.2 U	-	0.92 U	-	1.3 U	-	620	0.9 U	0.97 U	1.1 U	0.89 U	NE
Xylene, Total	µg/kg	3.5 U	-	2.7 U	-	4.0 U	-	1,820	2.7 U	2.9 U	3.3 U	2.7 U	9,000
SVOCs by SW8270													
1,2-Diphenylhydrazine	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
1,3-Dinitrobenzene	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,3,4,6-Tetrachlorophenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,3,5,6-Tetrachlorophenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,3-DICHLOROANILINE	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,4,5-Trichlorophenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,4,6-Trichlorophenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,4-Dichlorophenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,4-Dimethylphenol	µg/kg	-	-	-	-	-	-	-	-	-	1900 U	-	NE
2,4-Dinitrophenol	µg/kg	-	-	-	-	-	-	-	-	-	960 U	-	NE
2,4-Dinitrotoluene	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2,6-Dinitrotoluene	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2-Chloronaphthalene	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2-Chlorophenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2-Nitroaniline	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
2-Nitrophenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
3,3'-Dichlorobenzidine	µg/kg	-	-	-	-	-	-	-	-	-	1900 U	-	NE
3-Nitroaniline	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
4,6-Dinitro-2-Methylphenol	µg/kg	-	-	-	-	-	-	-	-	-	960 U	-	NE
4-Bromophenyl phenyl ether	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
4-Chloro-3-Methylphenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
4-Chloroaniline	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
4-Chlorophenyl-Phenylether	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
4-Nitroaniline	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
4-Nitrophenol (p-Nitrophenol)	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Aniline	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Benzene, 1,4-Dinitro-	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Benzidine	µg/kg	-	-	-	-	-	-	-	-	-	1900 U	-	NE
Benzyl Alcohol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Bis(2-Chloroethoxy)Methane	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Bis(2-Chloroethyl)Ether	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Bis(2-chloroisopropyl) ether	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-7-0-2 12/14/11 0 - 2	DP-7-5-6 12/14/11 5 - 6	DP-8-0-2 12/14/11 0 - 2	DP-8-2-3 ³ 12/14/11 2 - 3	DP-9-0-2 12/14/11 0 - 2	DP-9-6-7 ³ 12/14/11 6 - 7	DP-10-0-2 12/14/11 0 - 2	DP-10-13-15 12/14/11 13 - 15	DP-DUPE-1 12/14/11 13 - 15	DP-11-0-2 12/14/11 2 - 2	DP-11-2-3.5 12/14/11 2 - 3.5	MTCA ² A ULU
Bis(2-Ethylhexyl) Phthalate	µg/kg	-	-	-	-	-	-	-	-	-	46,000	-	NE
Butyl benzyl phthalate	µg/kg	-	-	-	-	-	-	-	-	-	1900 U	-	NE
Carbazole	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Dibutyl phthalate	µg/kg	-	-	-	-	-	-	-	-	-	1900 U	-	NE
Diethyl phthalate	µg/kg	-	-	-	-	-	-	-	-	-	960 U	-	NE
Dimethyl phthalate	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Di-N-Octyl Phthalate	µg/kg	-	-	-	-	-	-	-	-	-	6,700	-	NE
Hexachlorobenzene	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Hexachlorocyclopentadiene	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Hexachloroethane	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Hexanedioic Acid, Bis(2-Ethylhexyl) Ester	µg/kg	-	-	-	-	-	-	-	-	-	960 U	-	NE
Isophorone	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
m,p-Cresol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Naphthalene	µg/kg	-	-	-	-	-	-	-	-	-	26	-	5,000
Nitrobenzene	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
N-Nitrosodimethylamine	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
N-Nitrosodi-n-propylamine	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
N-Nitrosodiphenylamine	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
o-Cresol (2-methylphenol)	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
O-DINITROBENZENE	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Pentachlorophenol	µg/kg	-	-	-	-	-	-	-	-	-	960 U	-	NE
Phenol	µg/kg	-	-	-	-	-	-	-	-	-	190 U	-	NE
Pyridine	µg/kg	-	-	-	-	-	-	-	-	-	1900 U	-	NE

Notes:

¹ Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

² Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 WAC. Method A Unrestricted Land Use (ULU) clean-up levels.

³ Sample holding time was exceeded by one day for follow up analysis.

⁴ The published natural background concentration for chromium in the Puget Sound region is 48 mg/kg (*Natural Background Soil Metals Concentrations in Washington State*. Publication #94-115. October 1994).

⁵ cPAH testing and regulatory evaluation is completed for individual carcinogenic compounds as well as the for the summation of the mixture of the seven carcinogenic PAHs (known as Ecology's toxicity equivalency methodology). The summation procedure is completed using toxicity equivalency factors for each individual compound which are then added to produce a total toxicity equivalent concentration (TTEC) which is then compared to the MTCA cleanup level of 0.1 mg/kg (or 100 µg/kg).

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

VOCs = Volatile organic compound

SVOCs = Semivolatile organic compound

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

- = Not analyzed

U = The analyte was not detected at a concentration greater than the given RL or MDL.

E = The concentration reported exceeds the quantitation range and is an estimate.

H = The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and may be impacting the sample result.

J = The value reported was below the practical quantitation limit. The value is an estimate.

NE = A cleanup level has not been established by Ecology.

Bold Type Exceeds MTCA A (Soil - Unrestricted Land Use Cleanup Level)

TABLE 2C
CHEMICAL ANALYTICAL DATA - SOIL¹
BORINGS DP-12 TO DP-19
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-12-0.0-2.0 2/08/12 0 - 2	DP-12-5.0-7.5 2/08/12 5 - 7.5	DP-13-0.0-1.5 2/08/12 0 - 1.5	DP-14-0.0-2.0 2/08/12 0 - 2	DP-15-0.0-2.0 2/08/12 0 - 2	DP-15-5.0-7.0 2/08/12 5 - 7	DP-16-0.0-2.0 2/08/12 0 - 2	DP-17-0.0-2.0 2/08/12 0 - 2	DP-18-0.0-2.0 2/08/12 0 - 2	DP-19-0.0-2.0 2/08/12 0 - 2	DP-19-2.0-3.0 2/08/12 2 - 3	MTCA ² A ULU
Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx													
Gasoline-range hydrocarbons	mg/kg	5.3 U	4.9 U	6.1 U	5.7 U	7.2 U	6.6 U	5 U	5.2 U	5.4 U	5 U	-	100
Diesel-range hydrocarbons	mg/kg	28 U	30 U	31 U	28 U	30 U	32 U	29 U	29 U	-	-	-	2,000
Lube Oil-range Hydrocarbons	mg/kg	130	59 U	63 U	56 U	60 U	65 U	58 U	58 U	-	-	-	2,000
Metals by EPA6010B/7471A/SW7196A													
Arsenic	mg/kg	11 U	12 U	13 U	11 U	12 U	13 U	12 U	12 U	-	-	-	20
Barium	mg/kg	75	29	97	43	110	62	45	55	-	-	-	NE
Cadmium	mg/kg	0.55 U	0.59 U	0.63 U	0.56 U	0.59 U	0.65 U	0.58 U	0.58 U	-	-	-	2.0
Chromium ⁴	mg/kg	34	35	37	31	25	26	28	31	-	-	-	NE
Chromium, Hexavalent	mg/kg	-	-	1.3 U	-	-	-	-	-	-	-	-	19
Lead	mg/kg	19	5.9 U	6.3 U	5.6 U	5.9 U	6.5 U	5.8 U	5.8 U	-	-	-	250
Mercury	mg/kg	0.28 U	0.3 U	0.31 U	0.28 U	0.3 U	0.32 U	0.29 U	0.29 U	-	-	-	2.0
Selenium	mg/kg	11 U	12 U	13 U	11 U	12 U	13 U	12 U	12 U	-	-	-	NE
Silver	mg/kg	0.55 U	0.59 U	0.63 U	0.56 U	0.59 U	0.65 U	0.58 U	0.58 U	-	-	-	NE
PCBs by SW8082													
PCB-aroclor 1016	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	NE
PCB-aroclor 1221	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	NE
PCB-aroclor 1232	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	NE
PCB-aroclor 1242	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	NE
PCB-aroclor 1248	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	NE
PCB-aroclor 1254	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	NE
PCB-aroclor 1260	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	NE
Total Aroclors	µg/kg	55 U	59 U	63 U	56 U	59 U	65 U	58 U	58 U	-	-	-	1,000
PAHs by SW8270													
1-Methylnaphthalene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
2-Methylnaphthalene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Acenaphthene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Acenaphthylene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Anthracene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Benzo(a)anthracene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Benzo(a)pyrene	µg/kg	21	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	100
Benzo(b)fluoranthene	µg/kg	11	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Benzo(ghi)perylene	µg/kg	46	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-12-0.0-2.0	DP-12-5.0-7.5	DP-13-0.0-1.5	DP-14-0.0-2.0	DP-15-0.0-2.0	DP-15-5.0-7.0	DP-16-0.0-2.0	DP-17-0.0-2.0	DP-18-0.0-2.0	DP-19-0.0-2.0	DP-19-2.0-3.0	MTCA ² A ULU
		2/08/12 0 - 2	2/08/12 5 - 7.5	2/08/12 0 - 1.5	2/08/12 0 - 2	2/08/12 0 - 2	2/08/12 5 - 7	2/08/12 0 - 2	2/08/12 0 - 2	2/08/12 0 - 2	2/08/12 0 - 2	2/08/12 0 - 2	
Benzo(j,k)fluoranthene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Chrysene	µg/kg	9.6	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Dibenzo(a,h)anthracene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Dibenzofuran	µg/kg	37 U	-	-	-	40 U	-	-	-	-	-	-	NE
Fluoranthene	µg/kg	7.4 U	7.9 U	17	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Fluorene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Indeno(1,2,3-cd)pyrene	µg/kg	10	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Naphthalene	µg/kg	7.4 U	7.9 U	8.4 U	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	5,000
Phenanthrene	µg/kg	7.4 U	7.9 U	11	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Pyrene	µg/kg	11	7.9 U	16	7.5 U	7.9 U	8.6 U	7.7 U	7.7 U	-	-	-	NE
Total cPAH ⁵ TTEC (ND=0.5RL)	µg/kg	24.31	5.96 U	6.34 U	5.66 U	5.96 U	6.49 U	5.81 U	5.81 U	-	-	-	100
VOCs by SW8260													
1,1,1,2-Tetrachloroethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,1,1-Trichloroethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	2,000
1,1,2,2-Tetrachloroethane	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,1,2-Trichloroethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,1-Dichloroethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,1-Dichloroethene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,1-Dichloropropene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,2,3-Trichlorobenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,2,3-Trichloropropane	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,2,4-Trichlorobenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,2,4-Trimethylbenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	21	0.97 U	NE
1,2-Dibromo-3-Chloropropane	µg/kg	4.1 U	4.2 U	310 U	4.1 U	270 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
1,2-dibromoethane (EDB)	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	5.0
1,2-Dichlorobenzene (o-Dichlorobenzene)	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,2-Dichloroethane (EDC)	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,2-Dichloropropane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,3,5-Trimethylbenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	13	0.97 U	NE
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,3-Dichloropropane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
1,4-Dichlorobenzene (p-Dichlorobenzene)	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
2,2-Dichloropropane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
2-Butanone (MEK)	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
2-Chloroethyl vinyl ether	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
2-Chlorotoluene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
2-Hexanone	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-12-0.0-2.0 2/08/12 0 - 2	DP-12-5.0-7.5 2/08/12 5 - 7.5	DP-13-0.0-1.5 2/08/12 0 - 1.5	DP-14-0.0-2.0 2/08/12 0 - 2	DP-15-0.0-2.0 2/08/12 0 - 2	DP-15-5.0-7.0 2/08/12 5 - 7	DP-16-0.0-2.0 2/08/12 0 - 2	DP-17-0.0-2.0 2/08/12 0 - 2	DP-18-0.0-2.0 2/08/12 0 - 2	DP-19-0.0-2.0 2/08/12 0 - 2	DP-19-2.0-3.0 2/08/12 2 - 3	MTCA ² A ULU
4-Chlorotoluene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
4-Methyl-2-Pentanone (Methyl isobutyl ketone)	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	6.6	4.8 U	NE
Acetone	µg/kg	4.1 U	13	23	4.1 U	100	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
Benzene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	30
Bromobenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Bromochloromethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Bromodichloromethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Bromoform (Tribromomethane)	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Bromomethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Carbon Disulfide	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Carbon Tetrachloride	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Chlorobenzene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Chloroethane	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
Chloroform	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Chloromethane	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
Cis-1,2-Dichloroethene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Cis-1,3-Dichloropropene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Dibromochloromethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Dibromomethane	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Dichlorodifluoromethane (CFC-12)	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Ethylbenzene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	3.5	0.97 U	6,000
Hexachlorobutadiene	µg/kg	4.1 U	4.2 U	310 U	4.1 U	270 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
Isopropylbenzene (Cumene)	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Methyl Iodide (Iodomethane)	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
Methyl t-butyl ether	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	100
Methylene Chloride	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	20
Naphthalene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	2.0	0.97 U	5,000
n-Butylbenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	1.6	0.97 U	NE
n-Propylbenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	2.5	0.97 U	NE
p-Isopropyltoluene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Sec-Butylbenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Styrene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Tert-Butylbenzene	µg/kg	0.83 U	0.83 U	63 U	0.83 U	55 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Tetrachloroethene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	50
Toluene	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	6.6	4.8 U	7,000
Trans-1,2-Dichloroethene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Trans-1,3-Dichloropropene	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Trichloroethene (TCE)	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	30

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-12-0.0-2.0 2/08/12 0 - 2	DP-12-5.0-7.5 2/08/12 5 - 7.5	DP-13-0.0-1.5 2/08/12 0 - 1.5	DP-14-0.0-2.0 2/08/12 0 - 2	DP-15-0.0-2.0 2/08/12 0 - 2	DP-15-5.0-7.0 2/08/12 5 - 7	DP-16-0.0-2.0 2/08/12 0 - 2	DP-17-0.0-2.0 2/08/12 0 - 2	DP-18-0.0-2.0 2/08/12 0 - 2	DP-19-0.0-2.0 2/08/12 0 - 2	DP-19-2.0-3.0 2/08/12 2 - 3	MTCA ² A ULU
Trichlorofluoromethane (CFC-11)	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	2.6	0.97 U	NE
Vinyl Acetate	µg/kg	4.1 U	4.2 U	4.8 U	4.1 U	5.4 U	5.4 U	4.4 U	4.7 U	5.3 U	4.4 U	4.8 U	NE
Vinyl Chloride	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	0.88 U	0.97 U	NE
Xylene, m-,p-	µg/kg	1.7 U	1.7 U	1.9 U	1.7 U	2.1 U	2.1 U	1.8 U	1.9 U	2.1 U	21	1.9 U	NE
Xylene, o-	µg/kg	0.83 U	0.83 U	0.97 U	0.83 U	1.1 U	1.1 U	0.88 U	0.94 U	1.1 U	13	0.97 U	NE
Xylene, Total	µg/kg	2.5 U	2.5 U	2.9 U	2.5 U	3.2 U	3.2 U	2.7 U	2.8 U	3.2 U	34	2.9 U	9,000
SVOCs by SW8270													
1,2-Diphenylhydrazine	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
1,3-Dinitrobenzene	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,3,4,6-Tetrachlorophenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,3,5,6-Tetrachlorophenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,3-DICHLOROANILINE	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,4,5-Trichlorophenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,4,6-Trichlorophenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,4-Dichlorophenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,4-Dimethylphenol	µg/kg	370 U	--	--	--	400 U	--	--	--	--	--	--	NE
2,4-Dinitrophenol	µg/kg	180 U	--	--	--	200 U	--	--	--	--	--	--	NE
2,4-Dinitrotoluene	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2,6-Dinitrotoluene	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2-Chloronaphthalene	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2-Chlorophenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2-Nitroaniline	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
2-Nitrophenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
3,3'-Dichlorobenzidine	µg/kg	370 U	--	--	--	400 U	--	--	--	--	--	--	NE
3-Nitroaniline	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
4,6-Dinitro-2-Methylphenol	µg/kg	180 U	--	--	--	200 U	--	--	--	--	--	--	NE
4-Bromophenyl phenyl ether	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
4-Chloro-3-Methylphenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
4-Chloroaniline	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
4-Chlorophenyl-Phenylether	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
4-Nitroaniline	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
4-Nitrophenol (p-Nitrophenol)	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Aniline	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Benzene, 1,4-Dinitro-	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Benzidine	µg/kg	370 U	--	--	--	400 U	--	--	--	--	--	--	NE
Benzyl Alcohol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Bis(2-Chloroethoxy)Methane	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Bis(2-Chloroethyl)Ether	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Bis(2-chloroisopropyl) ether	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)											Screening Levels
		DP-12-0.0-2.0 2/08/12 0 - 2	DP-12-5.0-7.5 2/08/12 5 - 7.5	DP-13-0.0-1.5 2/08/12 0 - 1.5	DP-14-0.0-2.0 2/08/12 0 - 2	DP-15-0.0-2.0 2/08/12 0 - 2	DP-15-5.0-7.0 2/08/12 5 - 7	DP-16-0.0-2.0 2/08/12 0 - 2	DP-17-0.0-2.0 2/08/12 0 - 2	DP-18-0.0-2.0 2/08/12 0 - 2	DP-19-0.0-2.0 2/08/12 0 - 2	DP-19-2.0-3.0 2/08/12 2 - 3	MTCA ² A ULU
Bis(2-Ethylhexyl) Phthalate	µg/kg	230	--	--	--	200 U	--	--	--	--	--	--	NE
Butyl benzyl phthalate	µg/kg	370 U	--	--	--	400 U	--	--	--	--	--	--	NE
Carbazole	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Dibutyl phthalate	µg/kg	370 U	--	--	--	400 U	--	--	--	--	--	--	NE
Diethyl phthalate	µg/kg	180 U	--	--	--	200 U	--	--	--	--	--	--	NE
Dimethyl phthalate	µg/kg	120	--	--	--	40 U	--	--	--	--	--	--	NE
Di-N-Octyl Phthalate	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Hexachlorobenzene	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Hexachlorocyclopentadiene	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Hexachloroethane	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Hexanedioic Acid, Bis(2-Ethylhexyl) Ester	µg/kg	180 U	--	--	--	200 U	--	--	--	--	--	--	NE
Isophorone	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
m,p-Cresol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Naphthalene	µg/kg	7.4 U	--	--	--	7.9 U	--	--	--	--	--	--	5,000
Nitrobenzene	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
N-Nitrosodimethylamine	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
N-Nitrosodi-n-propylamine	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
N-Nitrosodiphenylamine	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
o-Cresol (2-methylphenol)	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
O-DINITROBENZENE	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Pentachlorophenol	µg/kg	180 U	--	--	--	200 U	--	--	--	--	--	--	NE
Phenol	µg/kg	37 U	--	--	--	40 U	--	--	--	--	--	--	NE
Pyridine	µg/kg	370 U	--	--	--	400 U	--	--	--	--	--	--	NE

Notes:

¹ Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

² Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 WAC. Method A Unrestricted Land Use (ULU) clean-up levels.

³ Sample holding time was exceeded by one day for follow up analysis.

⁴ The published natural background concentration for chromium in the Puget Sound region is 48 mg/kg (*Natural Background Soil Metals Concentrations in Washington State*. Publication #94-115. October 1994).

⁵ cPAH testing and regulatory evaluation is completed for individual carcinogenic compounds as well as the for the summation of the mixture of the seven carcinogenic PAHs (known as Ecology's toxicity equivalency methodology). The summation procedure is completed using toxicity equivalency factors for each individual compound which are then added to produce a total toxicity equivalent concentration (TTEC) which is then compared to the MTCA cleanup level of 0.1 mg/kg (or 100 µg/kg).

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

VOCs = Volatile organic compound

SVOCs = Semivolatile organic compound

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

-- = Not analyzed

U = The analyte was not detected at a concentration greater than the given RL or MDL.

E = The concentration reported exceeds the quantitation range and is an estimate.

H = The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and may be impacting the sample result.

J = The value reported was below the practical quantitation limit. The value is an estimate.

NE = A cleanup level has not been established by Ecology.

Bold Type Exceeds MTCA A (Soil - Unrestricted Land Use Cleanup Level)

TABLE 2D
CHEMICAL ANALYTICAL DATA - SOIL¹
BORINGS DP20 TO HA-4
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Analytes	Units	Sample ID, Date and Depth (In ft.)							Screening Levels
		DP-20-0.0-2.0 2/08/12 0 - 2	DP-21-0.0-2.0 2/08/12 0 - 2	DP-21-2.0-3.0 2/08/12 2 - 3	HA1-0.0-2.0 2/09/12 0 - 2	HA2-0.0-2.0 2/09/12 0 - 2	HA3-0.0-2.0 2/09/12 0 - 2	HA4-0.0-2.0 2/09/12 0 - 2	MTCA ² A ULU
Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx									
	Units								
Gasoline-range hydrocarbons	mg/kg	5.5 U	--	--	--	--	--	--	100
Diesel-range hydrocarbons	mg/kg	--	100	32 U	31 U	34 U	110 U	--	2,000
Lube Oil-range Hydrocarbons	mg/kg	--	470	63 U	62 U	67 U	660	--	2,000
Metals by EPA6010B/7471A/SW7196A									
Arsenic	mg/kg	--	12 U	13 U	12 U	13 U	12 U	--	20
Barium	mg/kg	--	81	86	120	93	91	--	NE
Cadmium	mg/kg	--	0.83	0.63 U	0.62 U	0.67 U	2.7	--	2.0
Chromium ⁴	mg/kg	--	45	44	33	37	58	--	NE
Chromium, Hexavalent	mg/kg	--	--	--	--	--	--	1.3 U	19
Lead	mg/kg	--	48	6.3 U	6.2 U	9.6	150	--	250
Mercury	mg/kg	--	0.29 U	0.32 U	0.31 U	0.34 U	0.3 U	--	2.0
Selenium	mg/kg	--	12 U	13 U	12 U	13 U	12 U	--	NE
Silver	mg/kg	--	0.58 U	0.63 U	0.62 U	0.67 U	0.6 U	--	NE
PCBs by SW8082									
PCB-aroclor 1016	µg/kg	--	--	--	--	--	--	--	NE
PCB-aroclor 1221	µg/kg	--	--	--	--	--	--	--	NE
PCB-aroclor 1232	µg/kg	--	--	--	--	--	--	--	NE
PCB-aroclor 1242	µg/kg	--	--	--	--	--	--	--	NE
PCB-aroclor 1248	µg/kg	--	--	--	--	--	--	--	NE
PCB-aroclor 1254	µg/kg	--	--	--	--	--	--	--	NE
PCB-aroclor 1260	µg/kg	--	--	--	--	--	--	--	NE
Total Aroclors	µg/kg	--	--	--	--	--	--	--	1,000
PAHs by SW8270									
1-Methylnaphthalene	µg/kg	--	--	--	--	--	--	10	NE
2-Methylnaphthalene	µg/kg	--	--	--	--	--	--	19	NE
Acenaphthene	µg/kg	--	--	--	--	--	--	8.4 U	NE
Acenaphthylene	µg/kg	--	--	--	--	--	--	8.4 U	NE
Anthracene	µg/kg	--	--	--	--	--	--	8.4 U	NE
Benzo(a)anthracene	µg/kg	--	--	--	--	--	--	13	NE
Benzo(a)pyrene	µg/kg	--	--	--	--	--	--	13	100
Benzo(b)fluoranthene	µg/kg	--	--	--	--	--	--	18	NE
Benzo(ghi)perylene	µg/kg	--	--	--	--	--	--	19	NE
Benzo(j,k)fluoranthene	µg/kg	--	--	--	--	--	--	8.4 U	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)							Screening Levels
		DP-20-0.0-2.0 2/08/12 0 - 2	DP-21-0.0-2.0 2/08/12 0 - 2	DP-21-2.0-3.0 2/08/12 2 - 3	HA1-0.0-2.0 2/09/12 0 - 2	HA2-0.0-2.0 2/09/12 0 - 2	HA3-0.0-2.0 2/09/12 0 - 2	HA4-0.0-2.0 2/09/12 0 - 2	MTCA ² A ULU
Chrysene	µg/kg	--	--	--	--	--	--	17	NE
Dibenzo(a,h)anthracene	µg/kg	--	--	--	--	--	--	8.4 U	NE
Dibenzofuran	µg/kg	--	--	--	--	--	--	--	NE
Fluoranthene	µg/kg	--	--	--	--	--	--	36	NE
Fluorene	µg/kg	--	--	--	--	--	--	8.4 U	NE
Indeno(1.2.3-cd)pyrene	µg/kg	--	--	--	--	--	--	13	NE
Naphthalene	µg/kg	--	--	--	--	--	--	21	5,000
Phenanthrene	µg/kg	--	--	--	--	--	--	31	NE
Pyrene	µg/kg	--	--	--	--	--	--	38	NE
Total cPAH ⁵ TTEC (ND=0.5RL)	µg/kg	--	--	--	--	--	--	17.57 ³	100
VOCs by SW8260									
1,1,1,2-Tetrachloroethane	µg/kg	1 U	--	--	--	--	--	--	NE
1,1,1-Trichloroethane	µg/kg	1 U	--	--	--	--	--	--	2,000
1,1,2,2-Tetrachloroethane	µg/kg	1 U	--	--	--	--	--	--	NE
1,1,2-Trichloroethane	µg/kg	1 U	--	--	--	--	--	--	NE
1,1-Dichloroethane	µg/kg	1 U	--	--	--	--	--	--	NE
1,1-Dichloroethene	µg/kg	1 U	--	--	--	--	--	--	NE
1,1-Dichloropropene	µg/kg	1 U	--	--	--	--	--	--	NE
1,2,3-Trichlorobenzene	µg/kg	1 U	--	--	--	--	--	--	NE
1,2,3-Trichloropropane	µg/kg	1 U	--	--	--	--	--	--	NE
1,2,4-Trichlorobenzene	µg/kg	1 U	--	--	--	--	--	--	NE
1,2,4-Trimethylbenzene	µg/kg	1 U	--	--	--	--	--	--	NE
1,2-Dibromo-3-Chloropropane	µg/kg	5.1 U	--	--	--	--	--	--	NE
1,2-dibromoethane (EDB)	µg/kg	1 U	--	--	--	--	--	--	5.0
1,2-Dichlorobenzene (o-Dichlorobenzene)	µg/kg	1 U	--	--	--	--	--	--	NE
1,2-Dichloroethane (EDC)	µg/kg	1 U	--	--	--	--	--	--	NE
1,2-Dichloropropane	µg/kg	1 U	--	--	--	--	--	--	NE
1,3,5-Trimethylbenzene	µg/kg	1 U	--	--	--	--	--	--	NE
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/kg	1 U	--	--	--	--	--	--	NE
1,3-Dichloropropane	µg/kg	1 U	--	--	--	--	--	--	NE
1,4-Dichlorobenzene (p-Dichlorobenzene)	µg/kg	1 U	--	--	--	--	--	--	NE
2,2-Dichloropropane	µg/kg	1 U	--	--	--	--	--	--	NE
2-Butanone (MEK)	µg/kg	5.1 U	--	--	--	--	--	--	NE
2-Chloroethyl vinyl ether	µg/kg	5.1 U	--	--	--	--	--	--	NE
2-Chlorotoluene	µg/kg	1 U	--	--	--	--	--	--	NE
2-Hexanone	µg/kg	5.1 U	--	--	--	--	--	--	NE
4-Chlorotoluene	µg/kg	1 U	--	--	--	--	--	--	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)							Screening Levels
		DP-20-0.0-2.0 2/08/12 0 - 2	DP-21-0.0-2.0 2/08/12 0 - 2	DP-21-2.0-3.0 2/08/12 2 - 3	HA1-0.0-2.0 2/09/12 0 - 2	HA2-0.0-2.0 2/09/12 0 - 2	HA3-0.0-2.0 2/09/12 0 - 2	HA4-0.0-2.0 2/09/12 0 - 2	MTCA ² A ULU
4-Methyl-2-Pentanone (Methyl isobutyl ketone)	µg/kg	5.1 U	--	--	--	--	--	--	NE
Acetone	µg/kg	5.1 U	--	--	--	--	--	--	NE
Benzene	µg/kg	1 U	--	--	--	--	--	--	30
Bromobenzene	µg/kg	1 U	--	--	--	--	--	--	NE
Bromochloromethane	µg/kg	1 U	--	--	--	--	--	--	NE
Bromodichloromethane	µg/kg	1 U	--	--	--	--	--	--	NE
Bromoform (Tribromomethane)	µg/kg	1 U	--	--	--	--	--	--	NE
Bromomethane	µg/kg	1 U	--	--	--	--	--	--	NE
Carbon Disulfide	µg/kg	1 U	--	--	--	--	--	--	NE
Carbon Tetrachloride	µg/kg	1 U	--	--	--	--	--	--	NE
Chlorobenzene	µg/kg	1 U	--	--	--	--	--	--	NE
Chloroethane	µg/kg	5.1 U	--	--	--	--	--	--	NE
Chloroform	µg/kg	1 U	--	--	--	--	--	--	NE
Chloromethane	µg/kg	5.1 U	--	--	--	--	--	--	NE
Cis-1,2-Dichloroethene	µg/kg	1 U	--	--	--	--	--	--	NE
Cis-1,3-Dichloropropene	µg/kg	1 U	--	--	--	--	--	--	NE
Dibromochloromethane	µg/kg	1 U	--	--	--	--	--	--	NE
Dibromomethane	µg/kg	1 U	--	--	--	--	--	--	NE
Dichlorodifluoromethane (CFC-12)	µg/kg	1 U	--	--	--	--	--	--	NE
Ethylbenzene	µg/kg	1 U	--	--	--	--	--	--	6,000
Hexachlorobutadiene	µg/kg	5.1 U	--	--	--	--	--	--	NE
Isopropylbenzene (Cumene)	µg/kg	1 U	--	--	--	--	--	--	NE
Methyl Iodide (Iodomethane)	µg/kg	5.1 U	--	--	--	--	--	--	NE
Methyl t-butyl ether	µg/kg	1 U	--	--	--	--	--	--	100
Methylene Chloride	µg/kg	5.1 U	--	--	--	--	--	--	20
Naphthalene	µg/kg	1 U	--	--	--	--	--	--	5,000
n-Butylbenzene	µg/kg	1 U	--	--	--	--	--	--	NE
n-Propylbenzene	µg/kg	1 U	--	--	--	--	--	--	NE
p-Isopropyltoluene	µg/kg	1 U	--	--	--	--	--	--	NE
Sec-Butylbenzene	µg/kg	1 U	--	--	--	--	--	--	NE
Styrene	µg/kg	1 U	--	--	--	--	--	--	NE
Tert-Butylbenzene	µg/kg	1 U	--	--	--	--	--	--	NE
Tetrachloroethene	µg/kg	1 U	--	--	--	--	--	--	50
Toluene	µg/kg	5.1 U	--	--	--	--	--	--	7,000
Trans-1,2-Dichloroethene	µg/kg	1 U	--	--	--	--	--	--	NE
Trans-1,3-Dichloropropene	µg/kg	1 U	--	--	--	--	--	--	NE
Trichloroethene (TCE)	µg/kg	1 U	--	--	--	--	--	--	30

Analytes	Units	Sample ID, Date and Depth (In ft.)							Screening Levels
		DP-20-0.0-2.0 2/08/12 0 - 2	DP-21-0.0-2.0 2/08/12 0 - 2	DP-21-2.0-3.0 2/08/12 2 - 3	HA1-0.0-2.0 2/09/12 0 - 2	HA2-0.0-2.0 2/09/12 0 - 2	HA3-0.0-2.0 2/09/12 0 - 2	HA4-0.0-2.0 2/09/12 0 - 2	MTCA ² A ULU
Trichlorofluoromethane (CFC-11)	µg/kg	1.6	--	--	--	--	--	--	NE
Vinyl Acetate	µg/kg	5.1 U	--	--	--	--	--	--	NE
Vinyl Chloride	µg/kg	1 U	--	--	--	--	--	--	NE
Xylene, m-,p-	µg/kg	2.0 U	--	--	--	--	--	--	NE
Xylene, o-	µg/kg	1.0 U	--	--	--	--	--	--	NE
Xylene, Total	µg/kg	3.0 U	--	--	--	--	--	--	9,000
SVOCs by SW8270									
1,2-Diphenylhydrazine	µg/kg	--	--	--	--	--	--	--	NE
1,3-Dinitrobenzene	µg/kg	--	--	--	--	--	--	--	NE
2,3,4,6-Tetrachlorophenol	µg/kg	--	--	--	--	--	--	--	NE
2,3,5,6-Tetrachlorophenol	µg/kg	--	--	--	--	--	--	--	NE
2,3-DICHLOROANILINE	µg/kg	--	--	--	--	--	--	--	NE
2,4,5-Trichlorophenol	µg/kg	--	--	--	--	--	--	--	NE
2,4,6-Trichlorophenol	µg/kg	--	--	--	--	--	--	--	NE
2,4-Dichlorophenol	µg/kg	--	--	--	--	--	--	--	NE
2,4-Dimethylphenol	µg/kg	--	--	--	--	--	--	--	NE
2,4-Dinitrophenol	µg/kg	--	--	--	--	--	--	--	NE
2,4-Dinitrotoluene	µg/kg	--	--	--	--	--	--	--	NE
2,6-Dinitrotoluene	µg/kg	--	--	--	--	--	--	--	NE
2-Chloronaphthalene	µg/kg	--	--	--	--	--	--	--	NE
2-Chlorophenol	µg/kg	--	--	--	--	--	--	--	NE
2-Nitroaniline	µg/kg	--	--	--	--	--	--	--	NE
2-Nitrophenol	µg/kg	--	--	--	--	--	--	--	NE
3,3'-Dichlorobenzidine	µg/kg	--	--	--	--	--	--	--	NE
3-Nitroaniline	µg/kg	--	--	--	--	--	--	--	NE
4,6-Dinitro-2-Methylphenol	µg/kg	--	--	--	--	--	--	--	NE
4-Bromophenyl phenyl ether	µg/kg	--	--	--	--	--	--	--	NE
4-Chloro-3-Methylphenol	µg/kg	--	--	--	--	--	--	--	NE
4-Chloroaniline	µg/kg	--	--	--	--	--	--	--	NE
4-Chlorophenyl-Phenylether	µg/kg	--	--	--	--	--	--	--	NE
4-Nitroaniline	µg/kg	--	--	--	--	--	--	--	NE
4-Nitrophenol (p-Nitrophenol)	µg/kg	--	--	--	--	--	--	--	NE
Aniline	µg/kg	--	--	--	--	--	--	--	NE
Benzene, 1,4-Dinitro-	µg/kg	--	--	--	--	--	--	--	NE
Benzidine	µg/kg	--	--	--	--	--	--	--	NE
Benzyl Alcohol	µg/kg	--	--	--	--	--	--	--	NE
Bis(2-Chloroethoxy)Methane	µg/kg	--	--	--	--	--	--	--	NE
Bis(2-Chloroethyl)Ether	µg/kg	--	--	--	--	--	--	--	NE

Analytes	Units	Sample ID, Date and Depth (In ft.)							Screening Levels
		DP-20-0.0-2.0 2/08/12 0 - 2	DP-21-0.0-2.0 2/08/12 0 - 2	DP-21-2.0-3.0 2/08/12 2 - 3	HA1-0.0-2.0 2/09/12 0 - 2	HA2-0.0-2.0 2/09/12 0 - 2	HA3-0.0-2.0 2/09/12 0 - 2	HA4-0.0-2.0 2/09/12 0 - 2	MTCA ² A ULU
Bis(2-chloroisopropyl) ether	µg/kg	--	--	--	--	--	--	--	NE
Bis(2-Ethylhexyl) Phthalate	µg/kg	--	--	--	--	--	--	--	NE
Butyl benzyl phthalate	µg/kg	--	--	--	--	--	--	--	NE
Carbazole	µg/kg	--	--	--	--	--	--	--	NE
Dibutyl phthalate	µg/kg	--	--	--	--	--	--	--	NE
Diethyl phthalate	µg/kg	--	--	--	--	--	--	--	NE
Dimethyl phthalate	µg/kg	--	--	--	--	--	--	--	NE
Di-N-Octyl Phthalate	µg/kg	--	--	--	--	--	--	--	NE
Hexachlorobenzene	µg/kg	--	--	--	--	--	--	--	NE
Hexachlorocyclopentadiene	µg/kg	--	--	--	--	--	--	--	NE
Hexachloroethane	µg/kg	--	--	--	--	--	--	--	NE
Hexanedioic Acid, Bis(2-Ethylhexyl) Ester	µg/kg	--	--	--	--	--	--	--	NE
Isophorone	µg/kg	--	--	--	--	--	--	--	NE
m,p-Cresol	µg/kg	--	--	--	--	--	--	--	NE
Naphthalene	µg/kg	--	--	--	--	--	--	--	5,000
Nitrobenzene	µg/kg	--	--	--	--	--	--	--	NE
N-Nitrosodimethylamine	µg/kg	--	--	--	--	--	--	--	NE
N-Nitrosodi-n-propylamine	µg/kg	--	--	--	--	--	--	--	NE
N-Nitrosodiphenylamine	µg/kg	--	--	--	--	--	--	--	NE
o-Cresol (2-methylphenol)	µg/kg	--	--	--	--	--	--	--	NE
O-DINITROBENZENE	µg/kg	--	--	--	--	--	--	--	NE
Pentachlorophenol	µg/kg	--	--	--	--	--	--	--	NE
Phenol	µg/kg	--	--	--	--	--	--	--	NE
Pyridine	µg/kg	--	--	--	--	--	--	--	NE

Notes:

¹ Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

² Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 WAC. Method A Unrestricted Land Use (ULU) clean-up levels.

³ Sample holding time was exceeded by one day for follow up analysis.

⁴ The published natural background concentration for chromium in the Puget Sound region is 48 mg/kg (*Natural Background Soil Metals Concentrations in Washington State*. Publication #94-115. October 1994).

⁵ cPAH testing and regulatory evaluation is completed for individual carcinogenic compounds as well as the for the summation of the mixture of the seven carcinogenic PAHs (known as Ecology's toxicity equivalency methodology). The summation procedure is completed using toxicity equivalency factors for each individual compound which are then added to produce a total toxicity equivalent concentration (TTEC) which is then compared to the MTCA cleanup level of 0.1 mg/kg (or 100 µg/kg).

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

VOCs = Volatile organic compound

SVOCs = Semivolatile organic compound

µg/kg = microgram per kilogram

mg/kg = milligram per kilogram

-- = Not analyzed

U = The analyte was not detected at a concentration greater than the given RL or MDL.

E = The concentration reported exceeds the quantitation range and is an estimate.

H = The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and may be impacting the sample result.

J = The value reported was below the practical quantitation limit. The value is an estimate.

NE = A cleanup level has not been established by Ecology.

Bold Type Exceeds MTCA A (Soil - Unrestricted Land Use Cleanup Level)

TABLE 3
CHEMICAL ANALYTICAL DATA - GROUNDWATER¹
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Analytes	Units	Sample ID and Date				Screening Levels
		DP1-W 12/13/11	DP12-W 2/08/12	DP15-W 2/08/12	WELL1-W 12/14/11	MTCA ² A
Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx						
Gasoline-range hydrocarbons	mg/l	0.10 U	0.10 U	0.10 U	0.10 U	1.0
Diesel-range hydrocarbons	mg/l	0.27 U	0.27 U	0.30 U	0.26 U	0.5
Lube Oil-range Hydrocarbons	mg/l	0.43 U	0.43 U	0.48 U	0.41 U	0.5
Metals by EPA200.8/7470A (Total)						
Arsenic	µg/l	18	12	27	3.3 U	5.0
Barium	µg/l	30	300	400	28 U	NE
Cadmium	µg/l	4.4 U	4.4 U	4.4 U	4.4 U	5.0
Chromium	µg/l	26	140	180	11 U	50
Lead	µg/l	1.1 U	12	16	1.1 U	15
Mercury	µg/l	0.5 U	0.5 U	0.5 U	0.5 U	2.0
Selenium	µg/l	5.6 U	5.6 U	6.8	5.6 U	NE
Silver	µg/l	11 U	11 U	11 U	11 U	NE
Metals by EPA200.8/7470A (Dissolved)						
Arsenic	µg/l	21	3.0 U	3.0 U	3.0 U	5.0
Barium	µg/l	25 U	25 U	25 U	25 U	NE
Cadmium	µg/l	4.0 U	4.0 U	4.0 U	4.0 U	5.0
Chromium	µg/l	22	10 U	10 U	10 U	50
Lead	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	15
Mercury	µg/l	0.5 U	0.5 U	0.5 U	0.5 U	2.0
Selenium	µg/l	5.0 U	5.0 U	5.0 U	5.0 U	NE
Silver	µg/l	10 U	10 U	10 U	10 U	NE
PCBs by SW8082						
PCB-aroclor 1016	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
PCB-aroclor 1221	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
PCB-aroclor 1232	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
PCB-aroclor 1242	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
PCB-aroclor 1248	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
PCB-aroclor 1254	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
PCB-aroclor 1260	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
Total Aroclors	µg/l	0.048 U	0.048 U	0.1 U	0.048 U	NE
PAHs by SW8270						
1-Methylnaphthalene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
2-Methylnaphthalene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE

Analytes	Units	Sample ID and Date				Screening Levels
		DP1-W 12/13/11	DP12-W 2/08/12	DP15-W 2/08/12	WELL1-W 12/14/11	MTCA ² A
Acenaphthene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
Acenaphthylene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
Anthracene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
Benzo(a)anthracene	µg/l	0.0097	0.0098 U	0.0092 U	0.0096 U	NE
Benzo(a)pyrene	µg/l	0.0095 U	0.0098 U	0.0092 U	0.0096 U	0.1
Benzo(b)fluoranthene	µg/l	0.0095 U	0.0098 U	0.0092 U	0.0096 U	NE
Benzo(ghi)perylene	µg/l	0.0095 U	0.0098 U	0.0092 U	0.0096 U	NE
Benzo(j,k)fluoranthene	µg/l	0.0095 U	0.0098 U	0.0092 U	0.0096 U	NE
Chrysene	µg/l	0.0095 U	0.0098 U	0.0092 U	0.0096 U	NE
Dibenzo(a,h)anthracene	µg/l	0.0095 U	0.0098 U	0.0092 U	0.0096 U	NE
Dibenzofuran	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Fluoranthene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
Fluorene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
Indeno(1,2,3-cd)pyrene	µg/l	0.0095 U	0.0098 U	0.0092 U	0.0096 U	NE
Naphthalene	µg/l	0.095 U	0.098 U	0.1	0.19	160
Phenanthrene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
Pyrene	µg/l	0.095 U	0.098 U	0.092 U	0.096 U	NE
Total cPAH ³ TTEC (ND=0.5RL)	µg/l	0.0077	0.0074 U	0.0069 U	0.0072 U	0.1
VOCs by SW8260						
1,1,1,2-Tetrachloroethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,1,1-Trichloroethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	200
1,1,1,2,2-Tetrachloroethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,1,2-Trichloroethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,1-Dichloroethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,1-Dichloroethene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,1-Dichloropropene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,2,3-Trichlorobenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,2,3-Trichloropropane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,2,4-Trichlorobenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,2,4-Trimethylbenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,2-Dibromo-3-Chloropropane	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	NE
1,2-dibromoethane (EDB)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.01
1,2-Dichlorobenzene (o-Dichlorobenzene)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,2-Dichloroethane (EDC)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	5.0
1,2-Dichloropropane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,3,5-Trimethylbenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
1,3-Dichloropropane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE

Analytes	Units	Sample ID and Date				Screening Levels
		DP1-W 12/13/11	DP12-W 2/08/12	DP15-W 2/08/12	WELL1-W 12/14/11	MTCA ² A
1,4-Dichlorobenzene (p-Dichlorobenzene)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
2,2-Dichloropropane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
2-Butanone (MEK)	µg/l	5.0 U	5.0 U	5.0 U	5.0 U	NE
2-Chloroethyl vinyl ether	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	NE
2-Chlorotoluene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
2-Hexanone	µg/l	2.0 U	2.0 U	2.0 U	2.0 U	NE
4-Chlorotoluene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
4-Methyl-2-Pentanone (Methyl isobutyl ketone)	µg/l	2.0 U	2.0 U	2.0 U	2.0 U	NE
Acetone	µg/l	5.0 U	5.0 U	5.0 U	5.0 U	NE
Benzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	5.0
Bromobenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Bromochloromethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Bromodichloromethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Bromoform (Tribromomethane)	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	NE
Bromomethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Carbon Disulfide	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Carbon Tetrachloride	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Chlorobenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Chloroethane	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	NE
Chloroform	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Chloromethane	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	NE
Cis-1,2-Dichloroethene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Cis-1,3-Dichloropropene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Dibromochloromethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Dibromomethane	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Dichlorodifluoromethane (CFC-12)	µg/l	0.52	0.2 U	0.2 U	0.2 U	NE
Ethylbenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	700
Hexachlorobutadiene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Isopropylbenzene (Cumene)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Methyl Iodide (Iodomethane)	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	NE
Methyl t-butyl ether	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	20
Methylene Chloride	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	5.0
Naphthalene	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	160
n-Butylbenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
n-Propylbenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
p-Isopropyltoluene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Sec-Butylbenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Styrene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Tert-Butylbenzene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE

Analytes	Units	Sample ID and Date				Screening Levels
		DP1-W 12/13/11	DP12-W 2/08/12	DP15-W 2/08/12	WELL1-W 12/14/11	MTCA ² A
Tetrachloroethene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	5.0
Toluene	µg/l	1.0 U	1.0 U	1.0 U	1.0 U	1,000
Trans-1,2-Dichloroethene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Trans-1,3-Dichloropropene	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Trichloroethene (TCE)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	5.0
Trichlorofluoromethane (CFC-11)	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Vinyl Acetate	µg/l	2.0 U	2.0 U	2.0 U	2.0 U	NE
Vinyl Chloride	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Xylene, m-,p-	µg/l	0.4 U	0.4 U	0.4 U	0.4 U	NE
Xylene, o-	µg/l	0.2 U	0.2 U	0.2 U	0.2 U	NE
Xylene, Total	µg/l	0.6 U	0.6 U	0.6 U	0.6 U	1,000
SVOCs by SW8270						
1,2-Diphenylhydrazine	µg/l	0.95 U	0.98 U	--	0.96 U	NE
1,3-Dinitrobenzene	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,3,4,6-Tetrachlorophenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,3,5,6-Tetrachlorophenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,3-DICHLOROANILINE	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,4,5-Trichlorophenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,4,6-Trichlorophenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,4-Dichlorophenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,4-Dimethylphenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,4-Dinitrophenol	µg/l	4.8 U	4.9 U	--	4.8 U	NE
2,4-Dinitrotoluene	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2,6-Dinitrotoluene	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2-Chloronaphthalene	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2-Chlorophenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2-Nitroaniline	µg/l	0.95 U	0.98 U	--	0.96 U	NE
2-Nitrophenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
3,3'-Dichlorobenzidine	µg/l	0.95 U	0.98 U	--	0.96 U	NE
3-Nitroaniline	µg/l	0.95 U	0.98 U	--	0.96 U	NE
4,6-Dinitro-2-Methylphenol	µg/l	4.8 U	4.9 U	--	4.8 U	NE
4-Bromophenyl phenyl ether	µg/l	0.95 U	0.98 U	--	0.96 U	NE
4-Chloro-3-Methylphenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
4-Chloroaniline	µg/l	0.95 U	0.98 U	--	0.96 U	NE
4-Chlorophenyl-Phenylether	µg/l	0.95 U	0.98 U	--	0.96 U	NE
4-Nitroaniline	µg/l	0.95 U	0.98 U	--	0.96 U	NE
4-Nitrophenol (p-Nitrophenol)	µg/l	0.95 U	0.98 U	--	0.96 U	NE

Analytes	Units	Sample ID and Date				Screening Levels
		DP1-W 12/13/11	DP12-W 2/08/12	DP15-W 2/08/12	WELL1-W 12/14/11	MTCA ² A
Aniline	µg/l	4.8 U	4.9 U	--	4.8 U	NE
Benzene, 1,4-Dinitro-	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Benzidine	µg/l	4.8 U	4.9 U	--	4.8 U	NE
Benzyl Alcohol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Bis(2-Chloroethoxy)Methane	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Bis(2-Chloroethyl)Ether	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Bis(2-chloroisopropyl) ether	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Bis(2-Ethylhexyl) Phthalate	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Butyl benzyl phthalate	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Carbazole	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Dibutyl phthalate	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Diethyl phthalate	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Dimethyl phthalate	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Di-N-Octyl Phthalate	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Hexachlorobenzene	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Hexachlorocyclopentadiene	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Hexachloroethane	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Hexanedioic Acid, Bis(2-Ethylhexyl) Ester	µg/l	4.8 U	4.9 U	--	4.8 U	NE
Isophorone	µg/l	0.95 U	0.98 U	--	0.96 U	NE
m,p-Cresol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Naphthalene	µg/l	0.095 U	0.098 U	--	0.19	160
Nitrobenzene	µg/l	0.95 U	0.98 U	--	0.96 U	NE
N-Nitrosodimethylamine	µg/l	0.95 U	0.98 U	--	0.96 U	NE
N-Nitrosodi-n-propylamine	µg/l	0.95 U	0.98 U	--	0.96 U	NE
N-Nitrosodiphenylamine	µg/l	0.95 U	0.98 U	--	0.96 U	NE
o-Cresol (2-methylphenol)	µg/l	0.95 U	0.98 U	--	0.96 U	NE
O-DINITROBENZENE	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Pentachlorophenol	µg/l	4.8 U	4.9 U	--	4.8 U	NE
Phenol	µg/l	0.95 U	0.98 U	--	0.96 U	NE
Pyridine	µg/l	0.95 U	0.98 U	--	0.96 U	NE

Notes:

¹ Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

² Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 WAC. Method A cleanup levels.

³ cPAH testing and regulatory evaluation is completed for individual carcinogenic compounds as well as the for the summation of the mixture of the seven carcinogenic PAHs (known as Ecology's toxicity equivalency methodology). The summation procedure is completed using toxicity equivalency factors for each individual compound which are then added to produce a total toxicity equivalent concentration (TTEC) which is then compared to the MTCA cleanup level of 0.1 µg/l.

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

VOCs = Volatile organic compound

SVOCs = Semivolatile organic compound

E = The concentration reported exceeds the quantitation range and is an estimate.

H = The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and may be impacting the sample result.

J = The value reported was below the practical quantitation limit. The value is an estimate.

NE = A cleanup level has not been established by Ecology.

Bold Type Exceeds MTCA A (Groundwater - Table Value)

µg/l = microgram per liter

mg/l = milligram per liter

-- = Not analyzed

U = The analyte was not detected at a concentration greater than the given RL or MDL.

TABLE 4
CHEMICAL ANALYTICAL DATA - SEDIMENT¹
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Analytes	Units	Sample ID and Date								Screening Levels
		SED1 12/13/11	SED3 12/13/11	SED4 12/13/11	SED5 12/13/11	SED6 12/13/11	SED7 12/13/11	SED8 12/13/11	SED9 2/09/12	MTCA ² A ULU
Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx										
Gasoline-range hydrocarbons	mg/kg	7.5 U	9.0 U	9.6 U	7.6 U	9.6 U	5.3 U	8.0 U	-	100
Diesel-range hydrocarbons	mg/kg	35 U	38 U	40 U	120 U	37 U	28 U	33 U	130 U	2,000
Lube Oil-range hydrocarbons	mg/kg	70 U	77 U	270	950	75 U	57 U	65 U	1,000	2,000
Metals by EPA6010B/7471A/SW7196A										
Arsenic	mg/kg	14 U	15 U	16 U	13 U	15 U	11 U	13 U	-	20
Barium	mg/kg	85	64	88	75	100	41	78	-	NE
Cadmium	mg/kg	0.70 U	0.76 U	0.79 U	0.89	0.9	0.57 U	0.65 U	-	2.0
Chromium ³	mg/kg	36	41	48	57	37	30	29	-	NE
Lead	mg/kg	17	7.6 U	39	120	13	5.7 U	6.5 U	-	250
Mercury	mg/kg	0.35 U	0.38 U	0.40 U	0.33 U	0.37 U	0.28 U	0.33 U	-	2.0
Selenium	mg/kg	14 U	15 U	16 U	13 U	15 U	11 U	13 U	-	NE
Silver	mg/kg	0.70 U	0.76 U	0.79 U	0.66 U	0.75 U	0.57 U	0.65 U	-	NE
PCBs by SW8082										
PCB-aroclor 1016	µg/kg	70 U	76 U	79 U	66 U	75 U	57 U	65 U	-	NE
PCB-aroclor 1221	µg/kg	70 U	76 U	79 U	67 U	75 U	57 U	65 U	-	NE
PCB-aroclor 1232	µg/kg	70 U	76 U	79 U	68 U	75 U	57 U	65 U	-	NE
PCB-aroclor 1242	µg/kg	70 U	76 U	79 U	69 U	75 U	57 U	65 U	-	NE
PCB-aroclor 1248	µg/kg	70 U	76 U	79 U	70 U	75 U	57 U	65 U	-	NE
PCB-aroclor 1254	µg/kg	130	76 U	79 U	160	75 U	57 U	65 U	-	NE
PCB-aroclor 1260	µg/kg	70 U	76 U	79 U	66 U	75 U	57 U	65 U	-	NE
Total Aroclors	µg/kg	130	76 U	79 U	160	75 U	57 U	65 U	-	1,000
PAHs by SW8270										
1-Methylnaphthalene	µg/kg	14	10 U	11 U	44 U	50 U	7.5 U	8.7 U	17 U	NE
2-Methylnaphthalene	µg/kg	22	10 U	11 U	94	50 U	7.5 U	8.7 U	17 U	NE
Acenaphthene	µg/kg	21	10 U	11 U	44 U	50 U	7.5 U	8.7 U	17 U	NE
Acenaphthylene	µg/kg	9.4 U	10 U	11 U	61	50 U	7.5 U	8.7 U	17 U	NE
Anthracene	µg/kg	9.4 U	10 U	11 U	78	50 U	7.5 U	8.7 U	17 U	NE
Benzo(a)anthracene	µg/kg	11	10 U	11 U	160	50 U	7.5 U	8.7 U	17 U	NE
Benzo(a)pyrene	µg/kg	12	10 U	11 U	270	50 U	7.5 U	8.7 U	17 U	100
Benzo(b)fluoranthene	µg/kg	13	10 U	11 U	330	50 U	7.5 U	8.7 U	17	NE
Benzo(ghi)perylene	µg/kg	9.6	10 U	11 U	230	50 U	7.5 U	8.7 U	17 U	NE
Benzo(j,k)fluoranthene	µg/kg	9.4 U	10 U	11 U	110	50 U	7.5 U	8.7 U	17 U	NE

Analytes	Units	Sample ID and Date								Screening Levels
		SED1 12/13/11	SED3 12/13/11	SED4 12/13/11	SED5 12/13/11	SED6 12/13/11	SED7 12/13/11	SED8 12/13/11	SED9 2/09/12	MTCA ² A ULU
Chrysene	µg/kg	16	10 U	11 U	200	50 U	7.5 U	8.7 U	17 U	NE
Dibenzo(a,h)anthracene	µg/kg	9.4 U	10 U	11 U	49	50 U	7.5 U	8.7 U	17 U	NE
Dibenzofuran	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Fluoranthene	µg/kg	30	10 U	11 U	300	50 U	7.5 U	8.7 U	17 U	NE
Fluorene	µg/kg	14	10 U	11 U	44 U	50 U	7.5 U	8.7 U	17 U	NE
Indeno(1,2,3-cd)pyrene	µg/kg	9.4 U	10 U	11 U	200	50 U	7.5 U	8.7 U	17 U	NE
Naphthalene	µg/kg	48	10 U	11 U	93	50 U	7.5 U	8.7 U	17 U	5,000
Phenanthrene	µg/kg	59	10 U	11 U	190	50 U	7.5 U	8.7 U	17 U	NE
Pyrene	µg/kg	40	10 U	11 U	290	93	7.5 U	8.7 U	17 U	NE
Total cPAH ⁴ TTEC (ND=0.5RL)	µg/kg	15.97	7.55 U	8.31 U	356.9	37.8 U	5.66 U	6.57 U	13.69	100
VOCs by SW8260										
1,1,1,2-Tetrachloroethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,1,1-Trichloroethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	2,000
1,1,1,2,2-Tetrachloroethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,1,2-Trichloroethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,1-Dichloroethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,1-Dichloroethene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,1-Dichloropropene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,2,3-Trichlorobenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,2,3-Trichloropropane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,2,4-Trichlorobenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,2,4-Trimethylbenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,2-Dibromo-3-Chloropropane	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	--	NE
1,2-dibromoethane (EDB)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	5.0
1,2-Dichlorobenzene (o-Dichlorobenzene)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,2-Dichloroethane (EDC)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,2-Dichloropropane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,3,5-Trimethylbenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,3-Dichloropropane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
1,4-Dichlorobenzene (p-Dichlorobenzene)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
2,2-Dichloropropane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
2-Butanone (MEK)	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	--	NE
2-Chloroethyl vinyl ether	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	--	NE
2-Chlorotoluene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
2-Hexanone	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	--	NE
4-Chlorotoluene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	--	NE
4-Methyl-2-Pentanone (Methyl isobutyl ketone)	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	--	NE

Analytes	Units	Sample ID and Date								Screening Levels
		SED1 12/13/11	SED3 12/13/11	SED4 12/13/11	SED5 12/13/11	SED6 12/13/11	SED7 12/13/11	SED8 12/13/11	SED9 2/09/12	MTCA ² A ULU
Acetone	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	NE
Benzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	30
Bromobenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Bromochloromethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Bromodichloromethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Bromoform (Tribromomethane)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Bromomethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Carbon Disulfide	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Carbon Tetrachloride	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Chlorobenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Chloroethane	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	NE
Chloroform	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Chloromethane	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	NE
Cis-1,2-Dichloroethene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Cis-1,3-Dichloropropene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Dibromochloromethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Dibromomethane	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Dichlorodifluoromethane (CFC-12)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Ethylbenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	6,000
Hexachlorobutadiene	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	NE
Isopropylbenzene (Cumene)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Methyl Iodide (Iodomethane)	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	NE
Methyl t-butyl ether	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	100
Methylene Chloride	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	20
Naphthalene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	5,000
n-Butylbenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
n-Propylbenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
p-Isopropyltoluene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Sec-Butylbenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Styrene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Tert-Butylbenzene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Tetrachloroethene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	50
Toluene	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	7,000
Trans-1,2-Dichloroethene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Trans-1,3-Dichloropropene	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Trichloroethene (TCE)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	30
Trichlorofluoromethane (CFC-11)	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Vinyl Acetate	µg/kg	6.9 U	6.4 U	8.9 U	6.8 U	6.9 U	4.9 U	5.9 U	-	NE

Analytes	Units	Sample ID and Date								Screening Levels
		SED1 12/13/11	SED3 12/13/11	SED4 12/13/11	SED5 12/13/11	SED6 12/13/11	SED7 12/13/11	SED8 12/13/11	SED9 2/09/12	MTCA ² A ULU
Vinyl Chloride	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Xylene, m-,p-	µg/kg	2.8 U	2.6 U	3.6 U	2.7 U	2.7 U	1.9 U	2.4 U	-	NE
Xylene, o-	µg/kg	1.4 U	1.3 U	1.8 U	1.4 U	1.4 U	0.97 U	1.2 U	-	NE
Xylene, Total	µg/kg	4.2 U	3.9 U	5.4 U	4.1 U	4.1 U	2.9 U	3.6 U	-	9,000
SVOCs by SW8270										
1,2-Diphenylhydrazine	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
1,3-Dinitrobenzene	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,3,4,6-Tetrachlorophenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,3,5,6-Tetrachlorophenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,3-DICHLOROANILINE	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,4,5-Trichlorophenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,4,6-Trichlorophenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,4-Dichlorophenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,4-Dimethylphenol	µg/kg	-	-	-	2200 U	500 U	-	-	-	NE
2,4-Dinitrophenol	µg/kg	-	-	-	1100 U	250 U	-	-	-	NE
2,4-Dinitrotoluene	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2,6-Dinitrotoluene	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2-Chloronaphthalene	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2-Chlorophenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2-Nitroaniline	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
2-Nitrophenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
3,3'-Dichlorobenzidine	µg/kg	-	-	-	2200 U	500 U	-	-	-	NE
3-Nitroaniline	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
4,6-Dinitro-2-Methylphenol	µg/kg	-	-	-	1100 U	250 U	-	-	-	NE
4-Bromophenyl phenyl ether	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
4-Chloro-3-Methylphenol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
4-Chloroaniline	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
4-Chlorophenyl-Phenylether	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
4-Nitroaniline	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
4-Nitrophenol (p-Nitrophenol)	µg/kg	-	-	-	220 U	130	-	-	-	NE
Aniline	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
Benzene, 1,4-Dinitro-	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
Benzidine	µg/kg	-	-	-	2200 U	500 U	-	-	-	NE
Benzyl Alcohol	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
Bis(2-Chloroethoxy)Methane	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
Bis(2-Chloroethyl)Ether	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
Bis(2-chloroisopropyl) ether	µg/kg	-	-	-	220 U	50 U	-	-	-	NE
Bis(2-Ethylhexyl) Phthalate	µg/kg	-	-	-	1100 U	250 U	-	-	-	NE

Analytes	Units	Sample ID and Date								Screening Levels
		SED1 12/13/11	SED3 12/13/11	SED4 12/13/11	SED5 12/13/11	SED6 12/13/11	SED7 12/13/11	SED8 12/13/11	SED9 2/09/12	MTCA ² A ULU
Butyl benzyl phthalate	µg/kg	--	--	--	2200 U	500 U	--	--	--	NE
Carbazole	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Dibutyl phthalate	µg/kg	--	--	--	2200 U	500 U	--	--	--	NE
Diethyl phthalate	µg/kg	--	--	--	1100 U	250 U	--	--	--	NE
Dimethyl phthalate	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Di-N-Octyl Phthalate	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Hexachlorobenzene	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Hexachlorocyclopentadiene	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Hexachloroethane	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Hexanedioic Acid, Bis(2-Ethylhexyl) Ester	µg/kg	--	--	--	1100 U	250 U	--	--	--	NE
Isophorone	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
m,p-Cresol	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Naphthalene	µg/kg	48	10 U	11 U	93	50 U	7.5 U	8.7 U	17 U	5,000
Nitrobenzene	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
N-Nitrosodimethylamine	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
N-Nitrosodi-n-propylamine	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
N-Nitrosodiphenylamine	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
o-Cresol (2-methylphenol)	µg/kg	--	--	--	220 U	64	--	--	--	NE
O-DINITROBENZENE	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Pentachlorophenol	µg/kg	--	--	--	1100 U	250 U	--	--	--	NE
Phenol	µg/kg	--	--	--	220 U	50 U	--	--	--	NE
Pyridine	µg/kg	--	--	--	2200 U	500 U	--	--	--	NE

Notes:

¹ Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

² Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 WAC. Method A Unrestricted Land Use (ULU) cleanup levels.

³ The published natural background concentration for chromium in the Puget Sound region is 48 mg/kg (*Natural Background Soil Metals Concentrations in Washington State*. Publication #94-115. October 1994).

⁴ cPAH testing and regulatory evaluation is completed for individual carcinogenic compounds as well as the for the summation of the mixture of the seven carcinogenic PAHs (known as Ecology's toxicity equivalency methodology). The summation procedure is completed using toxicity equivalency factors for each individual compound which are then added to produce a total toxicity equivalent concentration (TTEC) which is then compared to the MTCA cleanup level of 0.1 mg/kg (or 100 µg/kg).

PCBs = Polychlorinated biphenyls
PAHs = Polycyclic aromatic hydrocarbons
VOCs = Volatile organic compound
SVOCs = Semivolatile organic compound
µg/kg = microgram per kilogram
mg/kg = milligrams per kilogram
-- = Not analyzed
U = The analyte was not detected at a concentration greater than the given RL or MDL.
E = The concentration reported exceeds the quantitation range and is an estimate.
H = The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and may be impacting the sample result.
J = The value reported was below the practical quantitation limit. The value is an estimate.
NE = A cleanup level has not been established by Ecology.

Bold Type Exceeds MTCA A (Soil - Unrestricted Land Use Cleanup Level)

TABLE 5
CHEMICAL ANALYTICAL DATA - SURFACE WATER¹
WSDOT MIDWAY METALS
CLALLAM COUNTY, WASHINGTON

Analytes	Units	Sample ID and Date			Screening Levels			
		SW1 12/13/2011	SW2 12/13/2011	SW9 2/08/2012	Surface Water MTCA B - Carcinogenic Table Value	Surface Water ARAR - Aquatic Life Fresh/Chronic - Ch. 173-201A WAC	Surface Water ARAR - Aquatic Life Fresh/Chronic - Clean Water Act §304	Surface Water ARAR - Aquatic Life Fresh/Chronic - National Toxics Rule, 40 CFR 131
Total Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx								
Gasoline-range hydrocarbons	mg/l	0.1 U	0.1 U	0.1 U	NE	NE	NE	NE
Diesel-range hydrocarbons	mg/l	0.29 U	0.29 U	0.27 U	NE	NE	NE	NE
Lube Oil-range Hydrocarbons	mg/l	0.47 U	0.46 U	0.43 U	NE	NE	NE	NE
Metals by EPA200.8/7470A (Total)								
Arsenic	µg/l	3.3 U	3.3 U	3.3 U	0.058	190	150	190
Barium	µg/l	41	31	28 U	3,200	NE	NE	NE
Cadmium	µg/l	4.4 U	4.4 U	4.4 U	16	0.37	0.25	1.0
Chromium	µg/l	11 U	11 U	11 U	NE	NE	NE	NE
Lead	µg/l	7.4	4.0	8.3	NE	0.54	2.5	2.5
Mercury	µg/l	0.5 U	0.5 U	0.5 U	NE	0.012	0.77	0.012
Selenium	µg/l	5.6 U	5.6 U	5.6 U	80	5.0	5.0	5.0
Silver	µg/l	11 U	11 U	11 U	80	NE	NE	NE
Metals by EPA200.8/7470A (Dissolved)								
Arsenic	µg/l	3.0 U	3.0 U	3.0 U	0.058	190	150	190
Barium	µg/l	31	25 U	25 U	3,200	NE	NE	NE
Cadmium	µg/l	4.0 U	4.0 U	4.0 U	16	0.37	0.25	1.0
Chromium	µg/l	10 U	10 U	10 U	NE	NE	NE	NE
Lead	µg/l	1.4	1.4	1.6	NE	0.54	2.5	2.5
Mercury	µg/l	0.5 U	0.5 U	0.5 U	NE	0.012	0.77	0.012
Selenium	µg/l	5.0 U	5.0 U	5.0 U	80	5.0	5.0	5.0
Silver	µg/l	10 U	10 U	10 U	80	NE	NE	NE
PCBs by SW8082								
PCB-aroclor 1016	µg/l	0.049 U	0.048 U	0.053 U	1.1	NE	NE	0.014
PCB-aroclor 1221	µg/l	0.049 U	0.048 U	0.053 U	NE	NE	NE	NE
PCB-aroclor 1232	µg/l	0.049 U	0.048 U	0.053 U	NE	NE	NE	NE
PCB-aroclor 1242	µg/l	0.074	0.048 U	0.053 U	NE	NE	NE	NE
PCB-aroclor 1248	µg/l	0.049 U	0.048 U	0.053 U	NE	NE	NE	NE
PCB-aroclor 1254	µg/l	0.049 U	0.048 U	0.053 U	0.32	NE	NE	0.014
PCB-aroclor 1260	µg/l	0.049 U	0.048 U	0.053 U	NE	NE	NE	0.014
Total Aroclors	µg/l	0.074 T	0.048 UT	0.053 UT	NE	0.014	0.014	0.14

Analytes	Units	Sample ID and Date			Screening Levels			
		SW1 12/13/2011	SW2 12/13/2011	SW9 2/08/2012	Surface Water MTCA B - Carcinogenic Table Value	Surface Water ARAR - Aquatic Life Fresh/Chronic - Ch. 173-201A WAC	Surface Water ARAR - Aquatic Life Fresh/Chronic - Clean Water Act §304	Surface Water ARAR - Aquatic Life Fresh/Chronic - National Toxics Rule, 40 CFR 131
PAHs by SW8270								
1-Methylnaphthalene	µg/l	0.098 U	0.095 U	0.1 U	2.4	NE	NE	NE
2-Methylnaphthalene	µg/l	0.098 U	0.095 U	0.1 U	32	NE	NE	NE
Acenaphthene	µg/l	0.098 U	0.095 U	0.1 U	960	NE	NE	NE
Acenaphthylene	µg/l	0.098 U	0.095 U	0.1 U	NE	NE	NE	NE
Anthracene	µg/l	0.098 U	0.095 U	0.1 U	4,800	NE	NE	NE
Benzo(a)anthracene	µg/l	0.01	0.0095 U	0.01 U	NE	NE	NE	NE
Benzo(a)pyrene	µg/l	0.0098 U	0.0095 U	0.01 U	0.012	NE	NE	NE
Benzo(b)fluoranthene	µg/l	0.0098 U	0.0095 U	0.01 U	NE	NE	NE	NE
Benzo(ghi)perylene	µg/l	0.0098 U	0.0095 U	0.01 U	NE	NE	NE	NE
Benzo(j,k)fluoranthene	µg/l	0.0098 U	0.0095 U	0.01 U	NE	NE	NE	NE
Chrysene	µg/l	0.0098 U	0.0095 U	0.01 U	NE	NE	NE	NE
Dibenzo(a,h)anthracene	µg/l	0.0098 U	0.0095 U	0.01 U	NE	NE	NE	NE
Dibenzofuran	µg/l	--	0.95 U	--	16	NE	NE	NE
Fluoranthene	µg/l	0.098 U	0.095 U	0.1 U	640	NE	NE	NE
Fluorene	µg/l	0.098 U	0.095 U	0.1 U	640	NE	NE	NE
Indeno(1,2,3-cd)pyrene	µg/l	0.0098 U	0.0095 U	0.01 U	NE	NE	NE	NE
Naphthalene	µg/l	0.12	0.095 U	0.1 U	160	NE	NE	NE
Phenanthrene	µg/l	0.098 U	0.095 U	0.1 U	NE	NE	NE	NE
Pyrene	µg/l	0.098 U	0.095 U	0.1 U	480	NE	NE	NE
Total cPAH TEQ (ND=0.5RL)	µg/l	0.007909 T	0.007172 UT	0.00755 UT	NE	NE	NE	NE
VOCs by SW8260								
1,1,1,2-Tetrachloroethane	µg/l	0.2 U	0.2 U	0.2 U	1.7	NE	NE	NE
1,1,1-Trichloroethane	µg/l	0.2 U	0.2 U	0.2 U	7,200	NE	NE	NE
1,1,1,2-Tetrachloroethane	µg/l	0.2 U	0.2 U	0.2 U	0.22	NE	NE	NE
1,1,2-Trichloroethane	µg/l	0.2 U	0.2 U	0.2 U	0.77	NE	NE	NE
1,1-Dichloroethane	µg/l	0.2 U	0.2 U	0.2 U	800	NE	NE	NE
1,1-Dichloroethene	µg/l	0.2 U	0.2 U	0.2 U	400	NE	NE	NE
1,1-Dichloropropene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
1,2,3-Trichlorobenzene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
1,2,3-Trichloropropane	µg/l	0.2 U	0.2 U	0.2 U	0.00146	NE	NE	NE
1,2,4-Trichlorobenzene	µg/l	0.2 U	0.2 U	0.2 U	80	NE	NE	NE
1,2,4-Trimethylbenzene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
1,2-Dibromo-3-Chloropropane	µg/l	1 U	1 U	1 U	0.0547	NE	NE	NE
1,2-dibromoethane (EDB)	µg/l	0.2 U	0.2 U	0.2 U	0.00051	NE	NE	NE
1,2-Dichlorobenzene (o-Dichlorobenzene)	µg/l	0.2 U	0.2 U	0.2 U	720	NE	NE	NE
1,2-Dichloroethane (EDC)	µg/l	0.2 U	0.2 U	0.2 U	0.48	NE	NE	NE

Analytes	Units	Sample ID and Date			Screening Levels			
		SW1 12/13/2011	SW2 12/13/2011	SW9 2/08/2012	Surface Water MTCA B - Carcinogenic Table Value	Surface Water ARAR - Aquatic Life Fresh/Chronic - Ch. 173-201A WAC	Surface Water ARAR - Aquatic Life Fresh/Chronic - Clean Water Act §304	Surface Water ARAR - Aquatic Life Fresh/Chronic - National Toxics Rule, 40 CFR 131
1,2-Dichloropropane	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
1,3,5-Trimethylbenzene	µg/l	0.2 U	0.2 U	0.2 U	80	NE	NE	NE
1,3-Dichlorobenzene (m-Dichlorobenzene)	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
1,3-Dichloropropane	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
1,4-Dichlorobenzene (p-Dichlorobenzene)	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
2,2-Dichloropropane	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
2-Butanone (MEK)	µg/l	5 U	5 U	5 U	4,800	NE	NE	NE
2-Chloroethyl vinyl ether	µg/l	1 U	1 U	1 U	NE	NE	NE	NE
2-Chlorotoluene	µg/l	0.2 U	0.2 U	0.2 U	160	NE	NE	NE
2-Hexanone	µg/l	2 U	2 U	2 U	NE	NE	NE	NE
4-Chlorotoluene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
4-Methyl-2-Pentanone (Methyl isobutyl ketone)	µg/l	2 U	2 U	2 U	640	NE	NE	NE
Acetone	µg/l	5 U	5 U	5 U	7,200	NE	NE	NE
Benzene	µg/l	0.2 U	0.2 U	0.2 U	0.8	NE	NE	NE
Bromobenzene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
Bromochloromethane	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
Bromodichloromethane	µg/l	0.2 U	0.2 U	0.2 U	0.71	NE	NE	NE
Bromoform (Tribromomethane)	µg/l	1 U	1 U	1 U	5.5	NE	NE	NE
Bromomethane	µg/l	0.2 U	0.2 U	0.2 U	11	NE	NE	NE
Carbon Disulfide	µg/l	0.2 U	0.2 U	0.2 U	800	NE	NE	NE
Carbon Tetrachloride	µg/l	0.2 U	0.2 U	0.2 U	0.625	NE	NE	NE
Chlorobenzene	µg/l	0.2 U	0.2 U	0.2 U	160	NE	NE	NE
Chloroethane	µg/l	1 U	1 U	1 U	NE	NE	NE	NE
Chloroform	µg/l	0.2 U	0.2 U	0.2 U	80	NE	NE	NE
Chloromethane	µg/l	1 U	1 U	1 U	NE	NE	NE	NE
Cis-1,2-Dichloroethene	µg/l	0.2 U	0.2 U	0.2 U	16	NE	NE	NE
Cis-1,3-Dichloropropene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
Dibromochloromethane	µg/l	0.2 U	0.2 U	0.2 U	0.52	NE	NE	NE
Dibromomethane	µg/l	0.2 U	0.2 U	0.2 U	80	NE	NE	NE
Dichlorodifluoromethane (CFC-12)	µg/l	0.25	0.2 U	0.2 U	1,600	NE	NE	NE
Ethylbenzene	µg/l	0.2 U	0.2 U	0.2 U	800	NE	NE	NE
Hexachlorobutadiene	µg/l	0.2 U	0.2 U	0.2 U	0.56	NE	NE	NE
Isopropylbenzene (Cumene)	µg/l	0.2 U	0.2 U	0.2 U	800	NE	NE	NE
Methyl Iodide (Iodomethane)	µg/l	1 U	1 U	1 U	NE	NE	NE	NE
Methyl t-butyl ether	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
Methylene Chloride	µg/l	1 U	1 U	1 U	5.8	NE	NE	NE
Naphthalene	µg/l	1 U	1 U	1 U	160	NE	NE	NE

Analytes	Units	Sample ID and Date			Screening Levels			
		SW1 12/13/2011	SW2 12/13/2011	SW9 2/08/2012	Surface Water MTCA B - Carcinogenic Table Value	Surface Water ARAR - Aquatic Life Fresh/Chronic - Ch. 173-201A WAC	Surface Water ARAR - Aquatic Life Fresh/Chronic - Clean Water Act §304	Surface Water ARAR - Aquatic Life Fresh/Chronic - National Toxics Rule, 40 CFR 131
n-Butylbenzene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
n-Propylbenzene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
p-Isopropyltoluene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
Sec-Butylbenzene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
Styrene	µg/l	0.2 U	0.2 U	0.2 U	1,600	NE	NE	NE
Tert-Butylbenzene	µg/l	0.2 U	0.2 U	0.2 U		NE	NE	NE
Tetrachloroethene	µg/l	0.2 U	0.2 U	0.2 U	0.081	NE	NE	NE
Toluene	µg/l	1 U	1 U	1 U	640	NE	NE	NE
Trans-1,2-Dichloroethene	µg/l	0.2 U	0.2 U	0.2 U	160	NE	NE	NE
Trans-1,3-Dichloropropene	µg/l	0.2 U	0.2 U	0.2 U	NE	NE	NE	NE
Trichloroethene (TCE)	µg/l	0.2 U	0.2 U	0.2 U	0.11	NE	NE	NE
Trichlorofluoromethane (CFC-11)	µg/l	0.62	0.2 U	0.2 U	2,400	NE	NE	NE
Vinyl Acetate	µg/l	2 U	2 U	2 U	8,000	NE	NE	NE
Vinyl Chloride	µg/l	0.2 U	0.2 U	0.2 U	0.0608	NE	NE	NE
Xylene, m-,p-	µg/l	0.4 U	0.4 U	0.4 U	NE	NE	NE	NE
Xylene, o-	µg/l	0.2 U	0.2 U	0.2 U	1,600	NE	NE	NE
Xylene, Total	µg/l	0.6 U	0.6 U	0.6 U	NE	NE	NE	NE
SVOCs by SW8270								
1,2-Diphenylhydrazine	µg/l	-	0.95 U	-	0.11	NE	NE	NE
1,3-Dinitrobenzene	µg/l	-	0.95 U	-	1.6	NE	NE	NE
2,3,4,6-Tetrachlorophenol	µg/l	-	0.95 U	-	480	NE	NE	NE
2,3,5,6-Tetrachlorophenol	µg/l	-	0.95 U	-	NE	NE	NE	NE
2,3-Dichloroaniline	µg/l	-	0.95 U	-	NE	NE	NE	NE
2,4,5-Trichlorophenol	µg/l	-	0.95 U	-	800	NE	NE	NE
2,4,6-Trichlorophenol	µg/l	-	0.95 U	-	4	NE	NE	NE
2,4-Dichlorophenol	µg/l	-	0.95 U	-	24	NE	NE	NE
2,4-Dimethylphenol	µg/l	-	0.95 U	-	160	NE	NE	NE
2,4-Dinitrophenol	µg/l	-	4.8 U	-	32	NE	NE	NE
2,4-Dinitrotoluene	µg/l	-	0.95 U	-	32	NE	NE	NE
2,6-Dinitrotoluene	µg/l	-	0.95 U	-	16	NE	NE	NE
2-Chloronaphthalene	µg/l	-	0.95 U	-	640	NE	NE	NE
2-Chlorophenol	µg/l	-	0.95 U	-	40	NE	NE	NE
2-Nitroaniline	µg/l	-	0.95 U	-	NE	NE	NE	NE
2-Nitrophenol	µg/l	-	0.95 U	-	NE	NE	NE	NE
3,3'-Dichlorobenzidine	µg/l	-	0.95 U	-	0.19	NE	NE	NE
3-Nitroaniline	µg/l	-	0.95 U	-	NE	NE	NE	NE

Analytes	Units	Sample ID and Date			Screening Levels			
		SW1 12/13/2011	SW2 12/13/2011	SW9 2/08/2012	Surface Water MTCA B - Carcinogenic Table Value	Surface Water ARAR - Aquatic Life Fresh/Chronic - Ch. 173-201A WAC	Surface Water ARAR - Aquatic Life Fresh/Chronic - Clean Water Act §304	Surface Water ARAR - Aquatic Life Fresh/Chronic - National Toxics Rule, 40 CFR 131
4,6-Dinitro-2-Methylphenol	µg/l	--	4.8 U	--	NE	NE	NE	NE
4-Bromophenyl phenyl ether	µg/l	--	0.95 U	--	NE	NE	NE	NE
4-Chloro-3-Methylphenol	µg/l	--	0.95 U	--	NE	NE	NE	NE
4-Chloroaniline	µg/l	--	0.95 U	--	32	NE	NE	NE
4-Chlorophenyl-Phenylether	µg/l	--	0.95 U	--	NE	NE	NE	NE
4-Nitroaniline	µg/l	--	0.95 U	--	NE	NE	NE	NE
4-Nitrophenol (p-Nitrophenol)	µg/l	--	0.95 U	--	NE	NE	NE	NE
Aniline	µg/l	--	4.8 U	--	7.7	NE	NE	NE
Benzene, 1,4-Dinitro-	µg/l	--	0.95 U	--	1.6	NE	NE	NE
Benzidine	µg/l	--	4.8 U	--	0.00038	NE	NE	NE
Benzyl Alcohol	µg/l	--	0.95 U	--	800	NE	NE	NE
Bis(2-Chloroethoxy)Methane	µg/l	--	0.95 U	--	NE	NE	NE	NE
Bis(2-Chloroethyl)Ether	µg/l	--	0.95 U	--	0.04	NE	NE	NE
Bis(2-chloroisopropyl) ether	µg/l	--	0.95 U	--	NE	NE	NE	NE
Bis(2-Ethylhexyl) Phthalate	µg/l	--	0.95 U	--	6.3	NE	NE	NE
Butyl benzyl phthalate	µg/l	--	0.95 U	--	3,200	NE	NE	NE
Carbazole	µg/l	--	0.95 U	--	NE	NE	NE	NE
Dibutyl phthalate	µg/l	--	0.95 U	--	1,600	NE	NE	NE
Diethyl phthalate	µg/l	--	0.95 U	--	13,000	NE	NE	NE
Dimethyl phthalate	µg/l	--	0.95 U	--	NE	NE	NE	NE
Di-N-Octyl Phthalate	µg/l	--	0.95 U	--	NE	NE	NE	NE
Hexachlorobenzene	µg/l	--	0.95 U	--	0.055	NE	NE	NE
Hexachlorocyclopentadiene	µg/l	--	0.95 U	--	48	NE	NE	NE
Hexachloroethane	µg/l	--	0.95 U	--	3.1	NE	NE	NE
Hexanedioic Acid, Bis(2-Ethylhexyl) Ester	µg/l	--	4.8 U	--	73	NE	NE	NE
Isophorone	µg/l	--	0.95 U	--	46	NE	NE	NE
m,p-Cresol	µg/l	--	0.95 U	--	NE	NE	NE	NE
Naphthalene	µg/l	0.12	0.095 U	0.1 U	160	NE	NE	NE
Nitrobenzene	µg/l	--	0.95 U	--	16	NE	NE	NE
N-Nitrosodimethylamine	µg/l	--	0.95 U	--	0.00086	NE	NE	NE
N-Nitrosodi-n-propylamine	µg/l	--	0.95 U	--	NE	NE	NE	NE
N-Nitrosodiphenylamine	µg/l	--	0.95 U	--	NE	NE	NE	NE
o-Cresol (2-methylphenol)	µg/l	--	0.95 U	--	400	NE	NE	NE
o-Dinitrobenzene	µg/l	--	0.95 U	--	1.6	NE	NE	NE
Pentachlorophenol	µg/l	--	4.8 U	--	0.219	12.79	15	13

Analytes	Units	Sample ID and Date			Screening Levels			
		SW1 12/13/2011	SW2 12/13/2011	SW9 2/08/2012	Surface Water MTCA B - Carcinogenic Table Value	Surface Water ARAR - Aquatic Life Fresh/Chronic - Ch. 173-201A WAC	Surface Water ARAR - Aquatic Life Fresh/Chronic - Clean Water Act §304	Surface Water ARAR - Aquatic Life Fresh/Chronic - National Toxics Rule, 40 CFR 131
Phenol	µg/l	-	0.95 U	-	2,400	NE	NE	NE
Pyridine	µg/l	-	0.95 U	-	8	NE	NE	NE

Notes:

¹ Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

² Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 WAC. Method A clean-up levels.

³ cPAH testing and regulatory evaluation is completed for individual carcinogenic compounds as well as the for the summation of the mixture of the seven carcinogenic PAHs (known as Ecology's toxicity equivalency methodology). The summation procedure is completed using toxicity equivalency factors for each individual compound which are then added to produce a total toxicity equivalent concentration (TEEC) which is then compared to the MTCA cleanup level of 0.1 µg/l.

ARAR = Applicable or Relevant and Appropriate Requirements

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

VOCs = Volatile organic compound

SVOCs = Semivolatile organic compound

µg/l = microgram per liter

mg/l = milligram per liter

- = Not analyzed

U = The analyte was not detected at a concentration greater than the given RL or MDL.

E = The concentration reported exceeds the quantitation range and is an estimate.

H = The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and may be impacting the sample result.

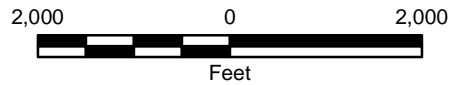
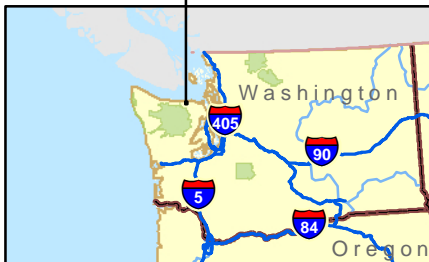
J = The value reported was below the practical quantitation limit. The value is an estimate.

NE = A cleanup level has not been established by Ecology.

Bold Type Exceeds One or More MTCA B (Surface Water - Table Value) or ARAR Screening Level

Map Revised: 29 November 2011 syi

Office: TACO Path: P:\0180292\GIS\018029200_F1.mxd



Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
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Data Sources: ESRI Data & Maps, Street Maps 2005
 Transverse Mercator, State Plane South, North American Datum 1983
 North arrow oriented to grid north

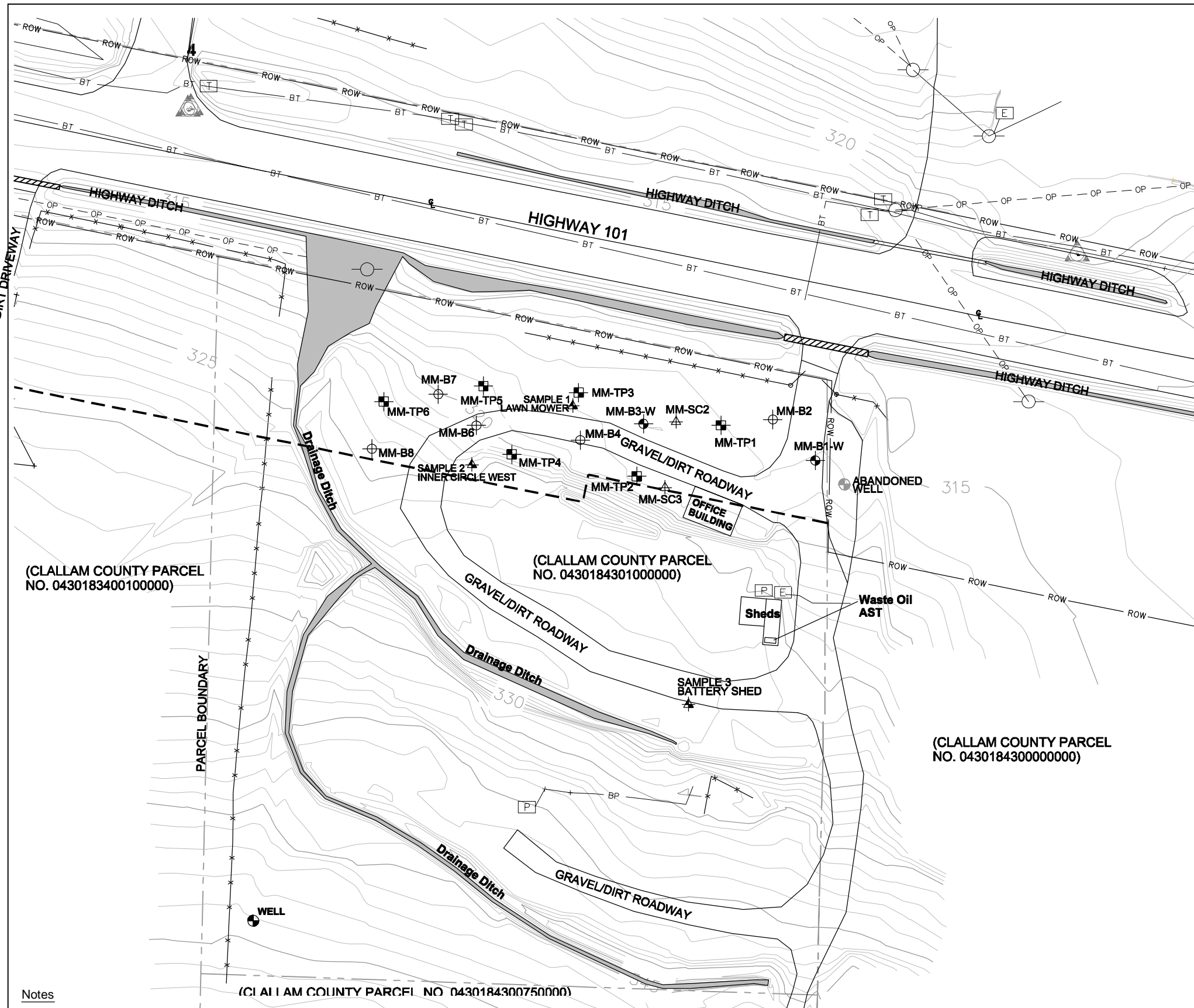
Vicinity Map

US 101 Midway Metals
 Clallam County, Washington



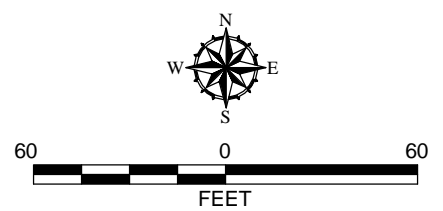
Figure 1

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LEGEND

- Approximate Location of Clallam Co. Surface Soil Sample
- Approximate Location of WSDOT Surface Soil Sample
- Approximate Location of WSDOT Direct Push Soil Boring
- Approximate Location of WSDOT Direct Push Soil/Groundwater Boring
- Approximate Location of WSDOT Test Pit
- Location of Existing Groundwater Well
- Location of Abandoned Groundwater Well (Plate Welded On Top of Casing)
- Existing WSDOT Right-of-Way
- Proposed WSDOT Right-of-Way
- Property Boundary
- Fence line
- 213 Elevation Contours (1-foot interval)
- Buried Telephone
- Buried Power
- Overhead Power
- Water Meter
- Power Meter Box
- Utility Pole
- Telephone Vault
- Pad Mount Transformer
- Culvert



Notes

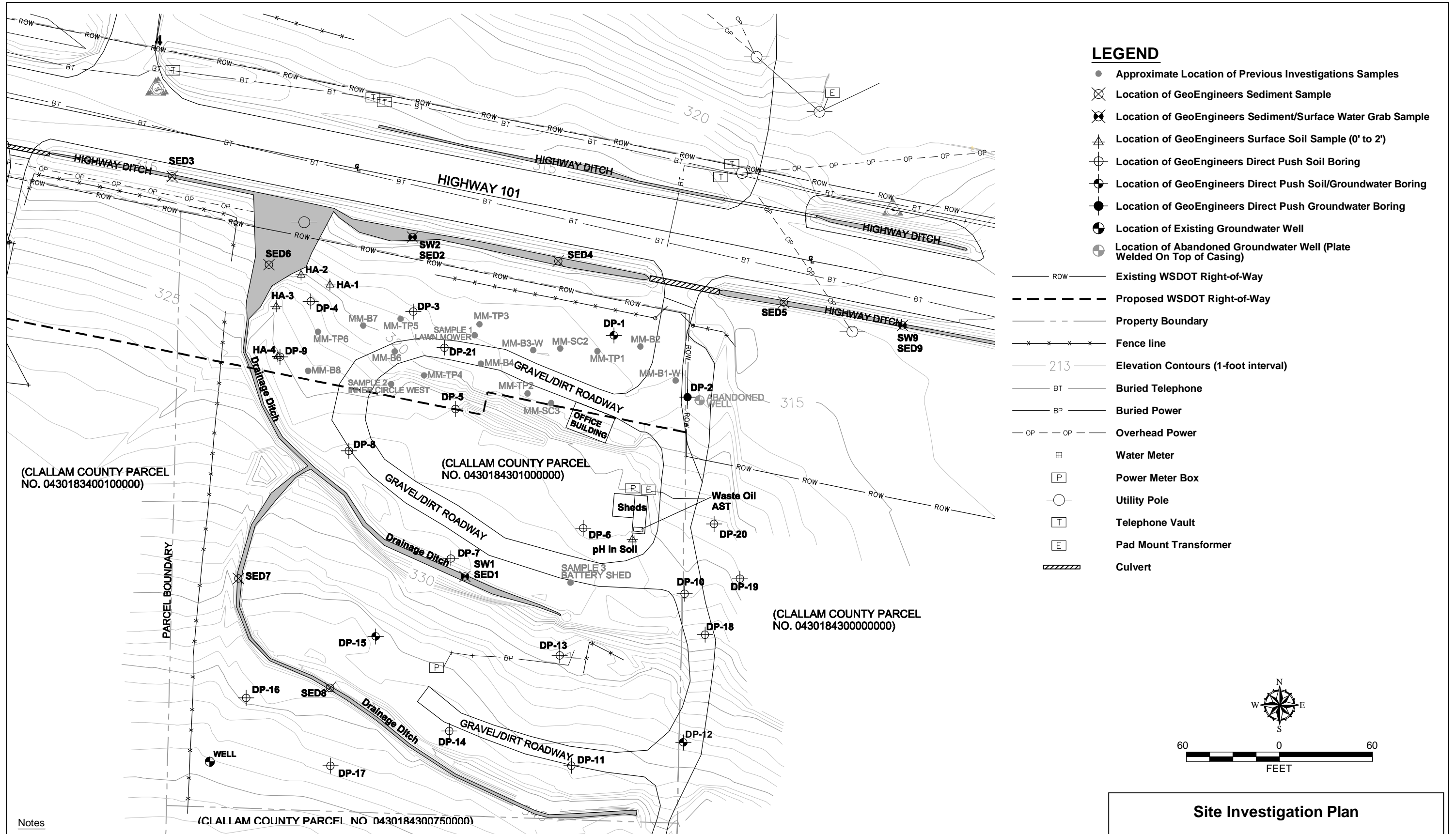
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Reference: Base files provided by WSDOT Survey Support on January 04, 2012.

Site Plan with Previous Sample Locations

US 101 Midway Metals
Clallam County, Washington

Figure 2



LEGEND

- Approximate Location of Previous Investigations Samples
- ⊗ Location of GeoEngineers Sediment Sample
- ⊗ Location of GeoEngineers Sediment/Surface Water Grab Sample
- ⊕ Location of GeoEngineers Surface Soil Sample (0' to 2')
- ⊕ Location of GeoEngineers Direct Push Soil Boring
- ⊕ Location of GeoEngineers Direct Push Soil/Groundwater Boring
- ⊕ Location of GeoEngineers Direct Push Groundwater Boring
- ⊕ Location of Existing Groundwater Well
- ⊕ Location of Abandoned Groundwater Well (Plate Welded On Top of Casing)
- ROW — Existing WSDOT Right-of-Way
- - - Proposed WSDOT Right-of-Way
- - - Property Boundary
- x x x x Fence line
- 213 Elevation Contours (1-foot interval)
- BT Buried Telephone
- BP Buried Power
- OP OP Overhead Power
- ⊕ Water Meter
- ⊕ Power Meter Box
- ⊕ Utility Pole
- ⊕ Telephone Vault
- ⊕ Pad Mount Transformer
- ▨ Culvert

(CLALLAM COUNTY PARCEL NO. 0430183400100000)

(CLALLAM COUNTY PARCEL NO. 0430184301000000)

(CLALLAM COUNTY PARCEL NO. 0430184300000000)

(CLALLAM COUNTY PARCEL NO. 0430184300750000)

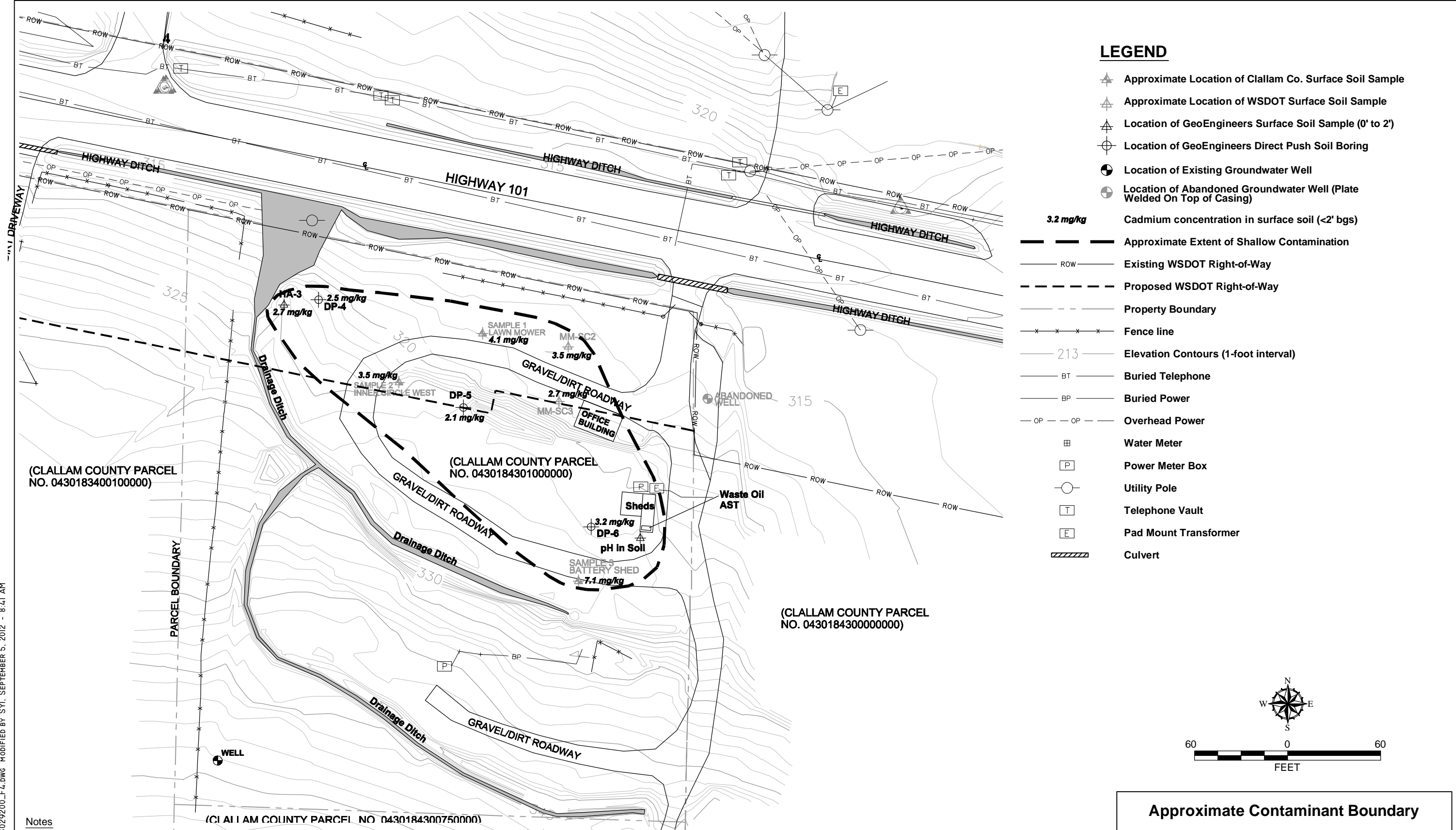
Notes

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Reference: Base files provided by WSDOT Survey Support on January 04, 2012.

Site Investigation Plan	
US 101 Midway Metals Clallam County, Washington	
GEOENGINEERS	Figure 3

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(CLALLAM COUNTY PARCEL NO. 0430183400100000)

(CLALLAM COUNTY PARCEL NO. 0430184301000000)

(CLALLAM COUNTY PARCEL NO. 0430184300000000)

(CLALLAM COUNTY PARCEL NO. 0430184300750000)

Notes

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2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Base files provided by WSDOT Survey Support on January 04, 2012.

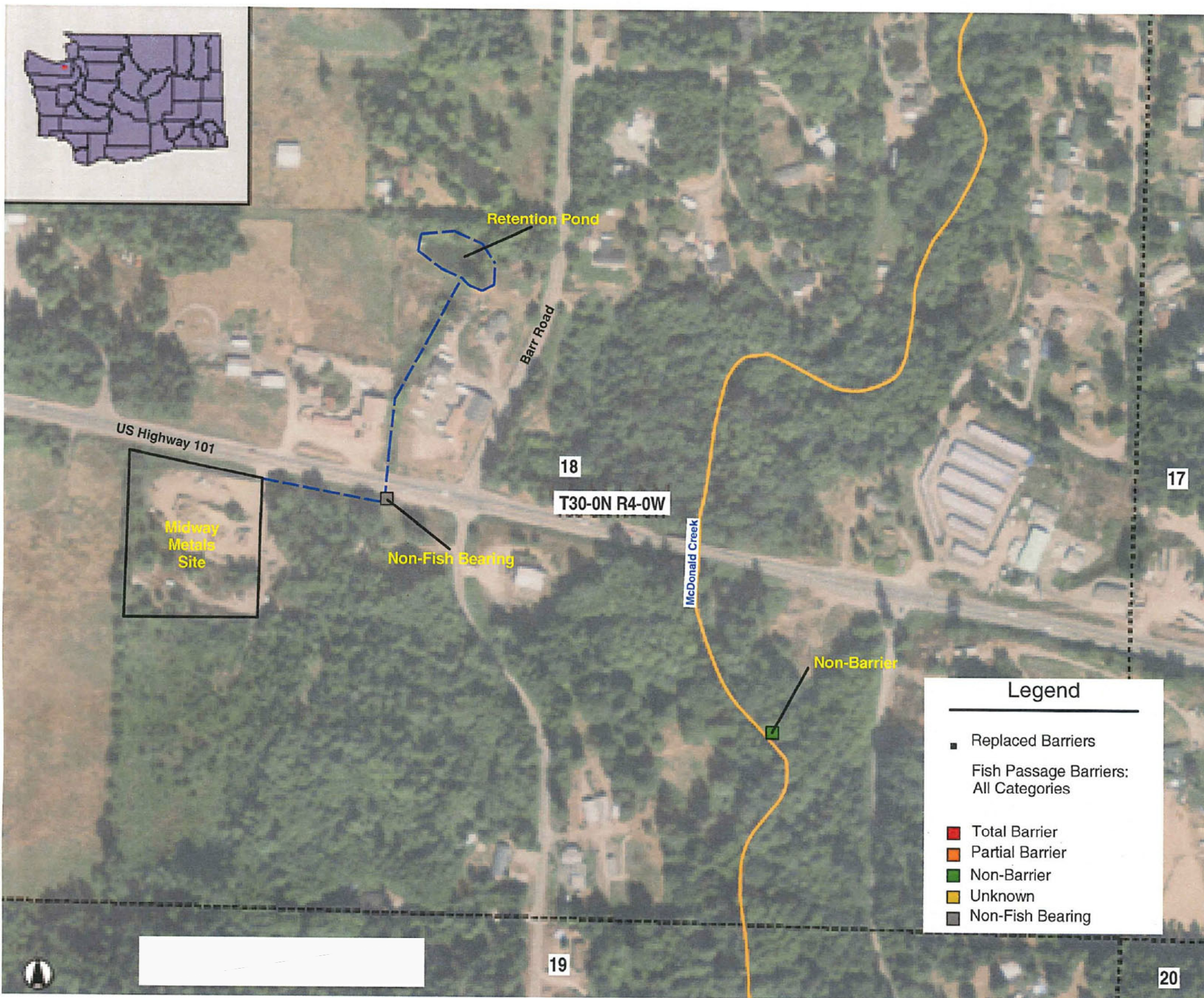
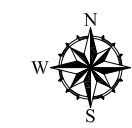
Approximate Contaminant Boundary

US 101 Midway Metals
Clallam County, Washington

GEOENGINEERS

Figure 4

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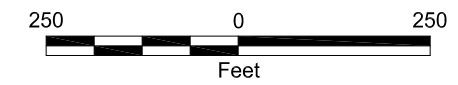


Legend

- Replaced Barriers
- Fish Passage Barriers:
All Categories
- Total Barrier
- Partial Barrier
- Non-Barrier
- Unknown
- Non-Fish Bearing

Notes:
 1. The locations of all features shown are approximate.
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document.
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Reference: PDF into raster image provided by WSDOT.



Surface Water Features

US 101 Midway Metals
Clallam County, Washington

GEOENGINEERS

Figure 5

TACO:AMW : SCY

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The background of the page is a topographic map with various contour lines. The map features several distinct peaks and valleys, with contour lines of varying thickness and style. A prominent dashed contour line winds through the center of the map, while other solid lines define the boundaries of different elevation levels. The map is rendered in shades of blue and grey on a white background.

APPENDIX A
Chemical Analytical Program

APPENDIX A CHEMICAL ANALYTICAL PROGRAM

Analytical Methods

Chain-of-custody procedures were followed during the transfer of field samples to the analytical laboratory. The samples were held in cold storage pending extraction and/or analysis. The analytical results, analytical methods reference and laboratory quality assurance/quality control (QA/QC) records are included in this appendix. The analytical results are also summarized in the text of this report.

Analytical Data Review

The laboratory maintains an internal quality assurance program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries, and blank spike duplicate recoveries to evaluate the validity of the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The data quality goals were included in the laboratory reports. The laboratory compared each group of samples with the existing data quality goals and noted any exceptions in the laboratory report.

Analytical Data Review Summary

It is our opinion that the analytical data are of acceptable quality for their intended use based on our data quality review.



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 23, 2011

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1112-098

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 14, 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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098
Project: 0180-292-00

Case Narrative

Samples were collected on December 13 and 14, 2011 and received by the laboratory on December 14, 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 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.

The value reported for Acetone in sample DP-1-0-2 exceeds the calibration range and is therefore an estimate. The sample was re-analyzed at the lowest possible dilution allowed by Method 5035A with non-detect results for Acetone.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample DP-5-0-2 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.

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.

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP-1-0-2	12-098-01	Soil	12-13-11	12-14-11	
DP-1-13-15	12-098-03	Soil	12-13-11	12-14-11	
DP-3-0-2	12-098-04	Soil	12-13-11	12-14-11	
DP-4-0-2	12-098-07	Soil	12-13-11	12-14-11	
DP-5-0-2	12-098-09	Soil	12-13-11	12-14-11	
DP-6-0-2	12-098-12	Soil	12-13-11	12-14-11	
DP-6-11.5-12.5	12-098-14	Soil	12-13-11	12-14-11	
DP-7-0-2	12-098-15	Soil	12-14-11	12-14-11	
DP-8-0-2	12-098-17	Soil	12-14-11	12-14-11	
DP-9-0-2	12-098-20	Soil	12-14-11	12-14-11	
DP-10-0-2	12-098-22	Soil	12-14-11	12-14-11	

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NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-0-2					
Laboratory ID:	12-098-01					
Gasoline	ND	6.2	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	68-124				
Client ID:	DP-1-13-15					
Laboratory ID:	12-098-03					
Gasoline	ND	5.9	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	68-124				
Client ID:	DP-3-0-2					
Laboratory ID:	12-098-04					
Gasoline	ND	6.3	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	68-124				
Client ID:	DP-4-0-2					
Laboratory ID:	12-098-07					
Gasoline	ND	7.6	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	68-124				
Client ID:	DP-5-0-2					
Laboratory ID:	12-098-09					
Gasoline	ND	5.7	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	68-124				
Client ID:	DP-6-0-2					
Laboratory ID:	12-098-12					
Gasoline	ND	5.4	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	68-124				

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NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-11.5-12.5					
Laboratory ID:	12-098-14					
Gasoline	ND	5.7	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	68-124				
Client ID:	DP-7-0-2					
Laboratory ID:	12-098-15					
Gasoline	ND	7.2	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	68-124				
Client ID:	DP-8-0-2					
Laboratory ID:	12-098-17					
Gasoline	18	5.2	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	68-124				
Client ID:	DP-9-0-2					
Laboratory ID:	12-098-20					
Gasoline	ND	8.4	NWTPH-Gx	12-16-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	68-124				
Client ID:	DP-10-0-2					
Laboratory ID:	12-098-22					
Gasoline	42	5.0	NWTPH-Gx	12-16-11	12-19-11	O
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	68-124				

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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:	DP-1-0-2					
Laboratory ID:	12-098-01					
Diesel Range Organics	ND	29	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	58	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
Client ID:	DP-1-13-15					
Laboratory ID:	12-098-03					
Diesel Range Organics	ND	30	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	59	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
Client ID:	DP-3-0-2					
Laboratory ID:	12-098-04					
Diesel Range Organics	ND	180	NWTPH-Dx	12-21-11	12-21-11	U1
Lube Oil	880	59	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
Client ID:	DP-4-0-2					
Laboratory ID:	12-098-07					
Diesel Range Organics	ND	100	NWTPH-Dx	12-21-11	12-22-11	U1
Lube Oil	580	67	NWTPH-Dx	12-21-11	12-22-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				
Client ID:	DP-5-0-2					
Laboratory ID:	12-098-09					
Diesel Range Organics	ND	200	NWTPH-Dx	12-21-11	12-21-11	U1
Lube Oil	1100	58	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				
Client ID:	DP-6-0-2					
Laboratory ID:	12-098-12					
Diesel Range Organics	280	28	NWTPH-Dx	12-21-11	12-21-11	N
Lube Oil	1100	56	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	129	50-150				

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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:	DP-6-11.5-12.5					
Laboratory ID:	12-098-14					
Diesel Range Organics	ND	30	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	60	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	108	50-150				
Client ID:	DP-7-0-2					
Laboratory ID:	12-098-15					
Diesel Range Organics	34	32	NWTPH-Dx	12-21-11	12-21-11	N
Lube Oil	130	63	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				
Client ID:	DP-8-0-2					
Laboratory ID:	12-098-17					
Diesel Range Organics	ND	30	NWTPH-Dx	12-21-11	12-21-11	U1
Lube Oil	150	55	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	113	50-150				
Client ID:	DP-9-0-2					
Laboratory ID:	12-098-20					
Diesel Range Organics	ND	73	NWTPH-Dx	12-21-11	12-21-11	U1
Lube Oil	360	70	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	108	50-150				
Client ID:	DP-10-0-2					
Laboratory ID:	12-098-22					
Diesel Range Organics	ND	34	NWTPH-Dx	12-21-11	12-21-11	U1
Lube Oil	120	58	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-0-2					
Laboratory ID:	12-098-01					
Dichlorodifluoromethane	0.0022	0.00094	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0047	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0047	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Acetone	0.20	0.0047	EPA 8260	12-16-11	12-16-11	E
Iodomethane	ND	0.0047	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0047	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0047	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
2-Butanone	0.035	0.0047	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Benzene	0.0014	0.00094	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0047	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0047	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.00094	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-0-2					
Laboratory ID:	12-098-01					
1,1,2-Trichloroethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0047	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0019	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.00094	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	0.0043	0.00094	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0047	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.00094	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>82</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-13-15					
Laboratory ID:	12-098-03					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0053	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0053	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Acetone	0.046	0.0053	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0053	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0053	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0053	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Butanone	ND	0.0053	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0053	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-13-15					
Laboratory ID:	12-098-03					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0053	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0021	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0053	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>55-121</i>				

Date of Report: December 23, 2011
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-3-0-2					
Laboratory ID:	12-098-04					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0055	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0055	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	0.64	0.064	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Acetone	0.52	0.32	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0055	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0055	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0055	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Butanone	0.10	0.0055	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0055	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-3-0-2					
Laboratory ID:	12-098-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0055	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0022	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0055	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	92	63-127				
<i>Toluene-d8</i>	95	65-129				
<i>4-Bromofluorobenzene</i>	80	55-121				

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 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-4-0-2					
Laboratory ID:	12-098-07					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0056	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0056	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	3.6	0.075	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Acetone	ND	0.0056	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0056	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0056	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0056	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Butanone	ND	0.0056	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0056	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-4-0-2					
Laboratory ID:	12-098-07					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0056	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0022	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.0011	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.075	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.075	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.38	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.38	EPA 8260	12-19-11	12-19-11	
Naphthalene	ND	0.075	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.075	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	92	63-127				
<i>Toluene-d8</i>	95	65-129				
<i>4-Bromofluorobenzene</i>	77	55-121				

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 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-5-0-2					
Laboratory ID:	12-098-09					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloromethane	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Vinyl Chloride	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromomethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloroethane	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Trichlorofluoromethane	0.011	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Acetone	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Carbon Disulfide	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methylene Chloride	ND	0.0052	EPA 8260	12-19-11	12-19-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Vinyl Acetate	ND	0.0052	EPA 8260	12-19-11	12-19-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Butanone	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Bromochloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloroform	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Benzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Trichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Dibromomethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromodichloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260	12-19-11	12-19-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methyl Isobutyl Ketone	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Toluene	ND	0.0052	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-5-0-2					
Laboratory ID:	12-098-09					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Tetrachloroethene	0.0040	0.0010	EPA 8260	12-19-11	12-19-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Hexanone	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Dibromochloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Ethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	ND	0.0021	EPA 8260	12-19-11	12-19-11	
o-Xylene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Styrene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromoform	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Isopropylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.0052	EPA 8260	12-19-11	12-19-11	
Naphthalene	0.0042	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>79</i>	<i>55-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-0-2					
Laboratory ID:	12-098-12					
Dichlorodifluoromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	0.0090	0.00095	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Acetone	0.053	0.0048	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0048	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0048	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Butanone	0.0060	0.0048	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0048	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-0-2					
Laboratory ID:	12-098-12					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	0.0016	0.00095	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0019	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>83</i>	<i>55-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-11.5-12.5					
Laboratory ID:	12-098-14					
Dichlorodifluoromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Acetone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0048	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0048	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Butanone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0048	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-11.5-12.5					
Laboratory ID:	12-098-14					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0019	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>55-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-7-0-2					
Laboratory ID:	12-098-15					
Dichlorodifluoromethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Acetone	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0059	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0059	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
2-Butanone	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0059	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-7-0-2					
Laboratory ID:	12-098-15					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0023	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0059	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	63-127				
<i>Toluene-d8</i>	97	65-129				
<i>4-Bromofluorobenzene</i>	89	55-121				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-8-0-2					
Laboratory ID:	12-098-17					
Dichlorodifluoromethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Acetone	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0046	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0046	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
2-Butanone	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0046	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.00092	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-8-0-2					
Laboratory ID:	12-098-17					
1,1,2-Trichloroethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0018	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.00092	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0046	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.00092	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	92	63-127				
<i>Toluene-d8</i>	98	65-129				
<i>4-Bromofluorobenzene</i>	89	55-121				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-9-0-2					
Laboratory ID:	12-098-20					
Dichlorodifluoromethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0067	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0067	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	0.0037	0.0013	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Acetone	0.097	0.0067	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0067	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0067	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0067	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
2-Butanone	0.0091	0.0067	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0067	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0067	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-9-0-2					
Laboratory ID:	12-098-20					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0067	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0027	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0067	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0067	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>81</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-10-0-2					
Laboratory ID:	12-098-22					
Dichlorodifluoromethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	0.78	0.059	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Acetone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	0.0095	0.0048	EPA 8260	12-16-11	12-16-11	H
(trans) 1,2-Dichloroethene	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.00096	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0048	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.00096	EPA 8260	12-16-11	12-16-11	
2-Butanone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.00096	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.00096	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Benzene	0.013	0.00096	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.00096	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Toluene	0.41	0.29	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.00096	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-10-0-2					
Laboratory ID:	12-098-22					
1,1,2-Trichloroethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	0.019	0.00096	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0048	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.00096	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	0.23	0.059	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	1.2	0.12	EPA 8260	12-19-11	12-19-11	
o-Xylene	0.62	0.059	EPA 8260	12-19-11	12-19-11	
Styrene	0.0055	0.00096	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.00096	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	0.040	0.00096	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.059	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.059	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	0.27	0.059	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.059	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.059	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	0.84	0.059	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	2.5	0.059	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	0.098	0.059	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.059	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.29	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.29	EPA 8260	12-19-11	12-19-11	
Naphthalene	0.66	0.059	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.059	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>74</i>	<i>55-121</i>				

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 Laboratory Reference: 1112-098
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-0-2					
Laboratory ID:	12-098-01					
n-Nitrosodimethylamine	ND	0.039	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	0.39	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.039	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.039	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.039	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.039	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	0.044	0.039	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.039	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.039	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.039	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	0.39	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
Naphthalene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
4-Chloroaniline	ND	0.039	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.039	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Hexachlorocyclopentadiene	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.039	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
3-Nitroaniline	ND	0.039	EPA 8270	12-19-11	12-20-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-0-2					
Laboratory ID:	12-098-01					
2,4-Dinitrophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
Acenaphthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
4-Nitrophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.039	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.039	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	0.19	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.039	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.039	EPA 8270	12-19-11	12-20-11	
Fluorene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
4,6-Dinitro-2-methylphenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.039	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.039	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.039	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.039	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
Phenanthrene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Carbazole	ND	0.039	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	0.39	EPA 8270	12-19-11	12-20-11	
Fluoranthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Benzidine	ND	0.39	EPA 8270	12-19-11	12-20-11	
Pyrene	0.013	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Butylbenzylphthalate	ND	0.39	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	0.19	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.39	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
bis(2-Ethylhexyl)phthalate	ND	0.19	EPA 8270	12-19-11	12-20-11	
Di-n-octylphthalate	ND	0.039	EPA 8270	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Indeno[1,2,3-cd]pyrene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0078	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	73	30 - 97				
Phenol-d6	70	40 - 104				
Nitrobenzene-d5	68	35 - 102				
2-Fluorobiphenyl	89	44 - 97				
2,4,6-Tribromophenol	110	41 - 110				
Terphenyl-d14	71	53 - 107				

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-0-2					
Laboratory ID:	12-098-12					
n-Nitrosodimethylamine	ND	0.19	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	1.9	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.19	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.19	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.19	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.19	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.19	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	1.9	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Naphthalene	0.038	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
4-Chloroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.19	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	0.045	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	0.016	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Hexachlorocyclopentadiene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	0.0099	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
3-Nitroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-0-2					
Laboratory ID:	12-098-12					
2,4-Dinitrophenol	ND	0.94	EPA 8270	12-19-11	12-20-11	
Acenaphthene	0.0085	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
4-Nitrophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	0.94	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.19	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
Fluorene	0.013	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
4,6-Dinitro-2-methylphenol	ND	0.94	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.19	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.19	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	0.94	EPA 8270	12-19-11	12-20-11	
Phenanthrene	0.040	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	0.015	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Carbazole	ND	0.19	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	1.9	EPA 8270	12-19-11	12-20-11	
Fluoranthene	0.045	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzidine	ND	1.9	EPA 8270	12-19-11	12-20-11	
Pyrene	0.063	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Butylbenzylphthalate	ND	1.9	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	0.94	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	1.9	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	0.026	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.035	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
bis(2-Ethylhexyl)phthalate	0.97	0.94	EPA 8270	12-19-11	12-20-11	
Di-n-octylphthalate	ND	0.19	EPA 8270	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.047	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	0.016	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	0.033	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Indeno[1,2,3-cd]pyrene	0.030	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	0.038	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	46	30 - 97				
Phenol-d6	47	40 - 104				
Nitrobenzene-d5	39	35 - 102				
2-Fluorobiphenyl	77	44 - 97				
2,4,6-Tribromophenol	101	41 - 110				
Terphenyl-d14	66	53 - 107				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**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:	DP-1-13-15					
Laboratory ID:	12-098-03					
Naphthalene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0079	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>50</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>55</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>51</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**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:	DP-3-0-2					
Laboratory ID:	12-098-04					
Naphthalene	0.021	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	0.020	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	0.010	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	0.011	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.034	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	0.011	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.045	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.047	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	0.024	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.036	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.039	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	0.011	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	0.028	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	0.020	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	0.025	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>57</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>64</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>78</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**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:	DP-4-0-2					
Laboratory ID:	12-098-07					
Naphthalene	0.015	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	0.018	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.017	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.017	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.020	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.014	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.015	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	0.0095	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	0.012	0.0089	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>57</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>62</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>64</i>	<i>33 - 119</i>				

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 Project: 0180-292-00

**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:	DP-5-0-2					
Laboratory ID:	12-098-09					
Naphthalene	0.033	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	0.032	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	0.015	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	0.0082	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.049	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	0.014	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.063	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.068	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	0.036	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.050	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.062	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	0.017	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	0.046	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	0.038	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	0.0092	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	0.045	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>69</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>65</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>81</i>	<i>33 - 119</i>				

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 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

**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:	DP-6-11.5-12.5					
Laboratory ID:	12-098-14					
Naphthalene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.0080	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>57</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>66</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>60</i>	<i>33 - 119</i>				

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 Project: 0180-292-00

**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:	DP-7-0-2					
Laboratory ID:	12-098-15					
Naphthalene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	0.0088	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.012	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.016	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.015	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	0.027	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.0097	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.0085	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>54</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>59</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>56</i>	<i>33 - 119</i>				

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**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:	DP-8-0-2					
Laboratory ID:	12-098-17					
Naphthalene	0.0081	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.0082	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.0085	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.010	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.0091	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.0073	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>59</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>64</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>67</i>	<i>33 - 119</i>				

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**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:	DP-9-0-2					
Laboratory ID:	12-098-20					
Naphthalene	0.016	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	0.013	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	0.037	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	0.019	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	0.028	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.22	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	0.072	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.35	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.28	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	0.16	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.15	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.17	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	0.057	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	0.14	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	0.082	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	0.020	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	0.076	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>50</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>60</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>61</i>	<i>33 - 119</i>				

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**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:	DP-10-0-2					
Laboratory ID:	12-098-22					
Naphthalene	0.029	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	0.037	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	0.020	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.013	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.010	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.011	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.0078	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>58</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>64</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>62</i>	<i>33 - 119</i>				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-1-0-2					
Laboratory ID:	12-098-01					
Aroclor 1016	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.058	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	42-123				
Client ID:	DP-1-13-15					
Laboratory ID:	12-098-03					
Aroclor 1016	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.059	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	79	42-123				
Client ID:	DP-3-0-2					
Laboratory ID:	12-098-04					
Aroclor 1016	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.059	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.059	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	70	42-123				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-4-0-2					
Laboratory ID:	12-098-07					
Aroclor 1016	ND	0.067	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.067	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.067	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	0.42	0.067	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.067	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.067	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.067	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	65	42-123				
Client ID:	DP-5-0-2					
Laboratory ID:	12-098-09					
Aroclor 1016	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	0.089	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	0.14	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.058	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	77	42-123				
Client ID:	DP-6-0-2					
Laboratory ID:	12-098-12					
Aroclor 1016	ND	0.056	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.056	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.056	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	0.14	0.056	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.056	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.056	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	0.13	0.056	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	79	42-123				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-11.5-12.5					
Laboratory ID:	12-098-14					
Aroclor 1016	ND	0.060	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.060	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.060	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.060	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.060	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.060	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.060	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	82	42-123				
Client ID:	DP-7-0-2					
Laboratory ID:	12-098-15					
Aroclor 1016	ND	0.063	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.063	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.063	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	0.12	0.063	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.063	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.063	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	0.079	0.063	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	78	42-123				
Client ID:	DP-8-0-2					
Laboratory ID:	12-098-17					
Aroclor 1016	ND	0.055	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.055	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.055	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.055	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.055	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	0.058	0.055	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.055	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	83	42-123				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-9-0-2					
Laboratory ID:	12-098-20					
Aroclor 1016	ND	0.070	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.070	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.070	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.070	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.070	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.070	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.070	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	42-123				
Client ID:	DP-10-0-2					
Laboratory ID:	12-098-22					
Aroclor 1016	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.058	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.058	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	42-123				

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-01					
Client ID:	DP-1-0-2					
Arsenic	ND	12	6010B	12-19-11	12-19-11	
Barium	70	2.9	6010B	12-19-11	12-19-11	
Cadmium	ND	0.58	6010B	12-19-11	12-19-11	
Chromium	34	0.58	6010B	12-19-11	12-19-11	
Lead	ND	5.8	6010B	12-19-11	12-19-11	
Mercury	ND	0.29	7471A	12-19-11	12-19-11	
Selenium	ND	12	6010B	12-19-11	12-19-11	
Silver	ND	0.58	6010B	12-19-11	12-19-11	

Lab ID:	12-098-03					
Client ID:	DP-1-13-15					
Arsenic	ND	12	6010B	12-19-11	12-19-11	
Barium	30	3.0	6010B	12-19-11	12-19-11	
Cadmium	ND	0.59	6010B	12-19-11	12-19-11	
Chromium	29	0.59	6010B	12-19-11	12-19-11	
Lead	ND	5.9	6010B	12-19-11	12-19-11	
Mercury	ND	0.30	7471A	12-19-11	12-19-11	
Selenium	ND	12	6010B	12-19-11	12-19-11	
Silver	ND	0.59	6010B	12-19-11	12-19-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-04					
Client ID:	DP-3-0-2					
Arsenic	ND	12	6010B	12-19-11	12-19-11	
Barium	89	2.9	6010B	12-19-11	12-19-11	
Cadmium	0.80	0.59	6010B	12-19-11	12-19-11	
Chromium	36	0.59	6010B	12-19-11	12-19-11	
Lead	40	5.9	6010B	12-19-11	12-19-11	
Mercury	ND	0.29	7471A	12-19-11	12-19-11	
Selenium	ND	12	6010B	12-19-11	12-19-11	
Silver	ND	0.59	6010B	12-19-11	12-19-11	

Lab ID:	12-098-07					
Client ID:	DP-4-0-2					
Arsenic	ND	13	6010B	12-19-11	12-19-11	
Barium	99	3.3	6010B	12-19-11	12-19-11	
Cadmium	2.5	0.67	6010B	12-19-11	12-19-11	
Chromium	42	0.67	6010B	12-19-11	12-19-11	
Lead	150	6.7	6010B	12-19-11	12-19-11	
Mercury	0.67	0.33	7471A	12-19-11	12-19-11	
Selenium	ND	13	6010B	12-19-11	12-19-11	
Silver	ND	0.67	6010B	12-19-11	12-19-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-09					
Client ID:	DP-5-0-2					
Arsenic	ND	12	6010B	12-19-11	12-19-11	
Barium	120	2.9	6010B	12-19-11	12-19-11	
Cadmium	2.1	0.58	6010B	12-19-11	12-19-11	
Chromium	35	0.58	6010B	12-19-11	12-19-11	
Lead	130	5.8	6010B	12-19-11	12-19-11	
Mercury	0.32	0.29	7471A	12-19-11	12-19-11	
Selenium	ND	12	6010B	12-19-11	12-19-11	
Silver	ND	0.58	6010B	12-19-11	12-19-11	

Lab ID:	12-098-12					
Client ID:	DP-6-0-2					
Arsenic	ND	11	6010B	12-19-11	12-19-11	
Barium	72	2.8	6010B	12-19-11	12-19-11	
Cadmium	3.2	0.56	6010B	12-19-11	12-19-11	
Chromium	41	0.56	6010B	12-19-11	12-19-11	
Lead	160	5.6	6010B	12-19-11	12-19-11	
Mercury	ND	0.28	7471A	12-19-11	12-19-11	
Selenium	ND	11	6010B	12-19-11	12-19-11	
Silver	ND	0.56	6010B	12-19-11	12-19-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-14					
Client ID:	DP-6-11.5-12.5					
Arsenic	ND	12	6010B	12-19-11	12-19-11	
Barium	42	3.0	6010B	12-19-11	12-19-11	
Cadmium	ND	0.60	6010B	12-19-11	12-19-11	
Chromium	26	0.60	6010B	12-19-11	12-19-11	
Lead	ND	6.0	6010B	12-19-11	12-19-11	
Mercury	ND	0.30	7471A	12-19-11	12-19-11	
Selenium	ND	12	6010B	12-19-11	12-19-11	
Silver	ND	0.60	6010B	12-19-11	12-19-11	

Lab ID:	12-098-15					
Client ID:	DP-7-0-2					
Arsenic	ND	13	6010B	12-19-11	12-19-11	
Barium	88	3.2	6010B	12-19-11	12-19-11	
Cadmium	0.81	0.63	6010B	12-19-11	12-19-11	
Chromium	31	0.63	6010B	12-19-11	12-19-11	
Lead	93	6.3	6010B	12-19-11	12-19-11	
Mercury	ND	0.32	7471A	12-19-11	12-19-11	
Selenium	ND	13	6010B	12-19-11	12-19-11	
Silver	ND	0.63	6010B	12-19-11	12-19-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-17					
Client ID:	DP-8-0-2					
Arsenic	ND	11	6010B	12-19-11	12-19-11	
Barium	46	2.7	6010B	12-19-11	12-19-11	
Cadmium	ND	0.55	6010B	12-19-11	12-19-11	
Chromium	29	0.55	6010B	12-19-11	12-19-11	
Lead	24	5.5	6010B	12-19-11	12-19-11	
Mercury	ND	0.27	7471A	12-19-11	12-19-11	
Selenium	ND	11	6010B	12-19-11	12-19-11	
Silver	ND	0.55	6010B	12-19-11	12-19-11	

Lab ID:	12-098-20					
Client ID:	DP-9-0-2					
Arsenic	ND	14	6010B	12-19-11	12-19-11	
Barium	84	3.5	6010B	12-19-11	12-19-11	
Cadmium	1.6	0.70	6010B	12-19-11	12-19-11	
Chromium	46	0.70	6010B	12-19-11	12-19-11	
Lead	85	7.0	6010B	12-19-11	12-19-11	
Mercury	ND	0.35	7471A	12-19-11	12-19-11	
Selenium	ND	14	6010B	12-19-11	12-19-11	
Silver	ND	0.70	6010B	12-19-11	12-19-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-22					
Client ID:	DP-10-0-2					
Arsenic	ND	12	6010B	12-19-11	12-19-11	
Barium	70	2.9	6010B	12-19-11	12-19-11	
Cadmium	ND	0.58	6010B	12-19-11	12-19-11	
Chromium	34	0.58	6010B	12-19-11	12-19-11	
Lead	8.3	5.8	6010B	12-19-11	12-19-11	
Mercury	ND	0.29	7471A	12-19-11	12-19-11	
Selenium	ND	12	6010B	12-19-11	12-19-11	
Silver	ND	0.58	6010B	12-19-11	12-19-11	

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**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1216S1					
Gasoline	ND	5.0	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	93	68-124				
Laboratory ID:	MB1216S2					
Gasoline	ND	5.0	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	87	68-124				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-099-08							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
Fluorobenzene				100	103	68-124		
Laboratory ID:	12-100-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
Fluorobenzene				102	106	68-124		

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**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:	MB1221S1					
Diesel Range Organics	ND	25	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	50	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>111</i>	<i>50-150</i>				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-098-14					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			<i>108 109</i>	<i>50-150</i>		
Laboratory ID:	12-098-17					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	U1
Lube Oil	137	117		16	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			<i>113 101</i>	<i>50-150</i>		

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1216S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Chloromethane	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Vinyl Chloride	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Bromomethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Chloroethane	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Acetone	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Iodomethane	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Carbon Disulfide	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Methylene Chloride	ND	0.0050	EPA 8260	12-16-11	12-16-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Vinyl Acetate	ND	0.0050	EPA 8260	12-16-11	12-16-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
2-Butanone	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Bromochloromethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Chloroform	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Benzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Trichloroethene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Dibromomethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Bromodichloromethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	12-16-11	12-16-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Toluene	ND	0.0050	EPA 8260	12-16-11	12-16-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-16-11	12-16-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1216S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Tetrachloroethene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
2-Hexanone	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Dibromochloromethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Chlorobenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Ethylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
m,p-Xylene	ND	0.0020	EPA 8260	12-16-11	12-16-11	
o-Xylene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Styrene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Bromoform	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Isopropylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Bromobenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	12-16-11	12-16-11	
n-Propylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
n-Butylbenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	12-16-11	12-16-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	12-16-11	12-16-11	
Naphthalene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>55-121</i>				

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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:	MB1219S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloromethane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Vinyl Chloride	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromomethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloroethane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Acetone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Carbon Disulfide	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methylene Chloride	ND	0.0050	EPA 8260	12-19-11	12-19-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Vinyl Acetate	ND	0.0050	EPA 8260	12-19-11	12-19-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Butanone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Bromochloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloroform	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Benzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Trichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Dibromomethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromodichloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	12-19-11	12-19-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Toluene	ND	0.0050	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1219S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Tetrachloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Hexanone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Dibromochloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Ethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	ND	0.0020	EPA 8260	12-19-11	12-19-11	
o-Xylene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Styrene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromoform	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Isopropylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Naphthalene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>55-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB1216S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0554	0.0572	0.0500	0.0500	111	114	70-130	3	19	
Benzene	0.0505	0.0515	0.0500	0.0500	101	103	70-125	2	15	
Trichloroethene	0.0482	0.0477	0.0500	0.0500	96	95	70-122	1	14	
Toluene	0.0494	0.0489	0.0500	0.0500	99	98	73-120	1	16	
Chlorobenzene	0.0465	0.0446	0.0500	0.0500	93	89	74-109	4	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					85	85	63-127			
<i>Toluene-d8</i>					89	91	65-129			
<i>4-Bromofluorobenzene</i>					85	86	55-121			
Laboratory ID:	SB1219S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0559	0.0550	0.0500	0.0500	112	110	70-130	2	19	
Benzene	0.0514	0.0506	0.0500	0.0500	103	101	70-125	2	15	
Trichloroethene	0.0471	0.0470	0.0500	0.0500	94	94	70-122	0	14	
Toluene	0.0493	0.0484	0.0500	0.0500	99	97	73-120	2	16	
Chlorobenzene	0.0455	0.0432	0.0500	0.0500	91	86	74-109	5	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					89	84	63-127			
<i>Toluene-d8</i>					91	92	65-129			
<i>4-Bromofluorobenzene</i>					87	88	55-121			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**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:	MB1219S2					
n-Nitrosodimethylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.033	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	0.33	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Naphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4-Chloroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
3-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1219S2					
2,4-Dinitrophenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4-Nitrophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	0.17	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Carbazole	ND	0.033	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	0.33	EPA 8270	12-19-11	12-20-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzidine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Butylbenzylphthalate	ND	0.33	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270	12-19-11	12-20-11	
Di-n-octylphthalate	ND	0.033	EPA 8270	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>85</i>	<i>30 - 97</i>				
<i>Phenol-d6</i>	<i>80</i>	<i>40 - 104</i>				
<i>Nitrobenzene-d5</i>	<i>74</i>	<i>35 - 102</i>				
<i>2-Fluorobiphenyl</i>	<i>92</i>	<i>44 - 97</i>				
<i>2,4,6-Tribromophenol</i>	<i>103</i>	<i>41 - 110</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>53 - 107</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**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
	SB	SBD	SB	SBD	SB	SBD				
SPIKE BLANKS										
Laboratory ID:	SB1219S2									
Phenol	0.925	0.950	1.33	1.33	70	71	31 - 111	3	34	
2-Chlorophenol	1.04	1.06	1.33	1.33	78	80	29 - 112	2	37	
1,4-Dichlorobenzene	0.522	0.528	0.667	0.667	78	79	24 - 100	1	37	
n-Nitroso-di-n-propylamine	0.396	0.405	0.667	0.667	59	61	35 - 104	2	32	
1,2,4-Trichlorobenzene	0.685	0.713	0.667	0.667	103	107	29 - 110	4	35	
4-Chloro-3-methylphenol	1.13	1.19	1.33	1.33	85	89	53 - 104	5	25	
Acenaphthene	0.544	0.563	0.667	0.667	82	84	50 - 95	3	23	
4-Nitrophenol	1.22	1.30	1.33	1.33	92	98	42 - 126	6	30	
2,4-Dinitrotoluene	0.722	0.749	0.667	0.667	108	112	53 - 115	4	31	
Pentachlorophenol	0.939	1.03	1.33	1.33	71	77	50 - 116	9	30	
Pyrene	0.446	0.468	0.667	0.667	67	70	57 - 120	5	27	
<i>Surrogate:</i>										
2-Fluorophenol					83	82	30 - 97			
Phenol-d6					76	78	40 - 104			
Nitrobenzene-d5					72	74	35 - 102			
2-Fluorobiphenyl					91	91	44 - 97			
2,4,6-Tribromophenol					105	111	41 - 110			
Terphenyl-d14					78	82	53 - 107			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**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:	MB1219S1					
Naphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>75</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>85</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>77</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**PAHs by EPA 8270D/SIM
 MS/MSD QUALITY CONTROL
 (with silica gel clean-up)**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	12-110-03										
Naphthalene	0.0546	0.0593	0.0833	0.0833	ND	66	71	39 - 110	8	21	
Acenaphthylene	0.0530	0.0593	0.0833	0.0833	ND	64	71	47 - 124	11	21	
Acenaphthene	0.0489	0.0560	0.0833	0.0833	ND	59	67	50 - 120	14	20	
Fluorene	0.0487	0.0568	0.0833	0.0833	ND	58	68	52 - 126	15	21	
Phenanthrene	0.0478	0.0551	0.0833	0.0833	ND	57	66	41 - 130	14	22	
Anthracene	0.0473	0.0554	0.0833	0.0833	ND	57	67	48 - 124	16	23	
Fluoranthene	0.0495	0.0581	0.0833	0.0833	ND	59	70	40 - 137	16	23	
Pyrene	0.0487	0.0579	0.0833	0.0833	ND	58	70	36 - 139	17	23	
Benzo[a]anthracene	0.0496	0.0593	0.0833	0.0833	ND	60	71	43 - 127	18	21	
Chrysene	0.0476	0.0570	0.0833	0.0833	ND	57	68	41 - 133	18	19	
Benzo[b]fluoranthene	0.0452	0.0555	0.0833	0.0833	ND	54	67	40 - 132	20	25	
Benzo(j,k)fluoranthene	0.0436	0.0526	0.0833	0.0833	ND	52	63	35 - 132	19	25	
Benzo[a]pyrene	0.0471	0.0563	0.0833	0.0833	ND	57	68	37 - 131	18	26	
Indeno(1,2,3-c,d)pyrene	0.0444	0.0541	0.0833	0.0833	ND	53	65	39 - 134	20	23	
Dibenz[a,h]anthracene	0.0457	0.0553	0.0833	0.0833	ND	55	66	40 - 137	19	21	
Benzo[g,h,i]perylene	0.0456	0.0550	0.0833	0.0833	ND	55	66	35 - 135	19	22	
<i>Surrogate:</i>											
2-Fluorobiphenyl						54	60	43 - 109			
Pyrene-d10						56	67	38 - 128			
Terphenyl-d14						53	63	33 - 119			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**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:	MB1218S1					
Aroclor 1016	ND	0.050	EPA 8082	12-18-11	12-19-11	
Aroclor 1221	ND	0.050	EPA 8082	12-18-11	12-19-11	
Aroclor 1232	ND	0.050	EPA 8082	12-18-11	12-19-11	
Aroclor 1242	ND	0.050	EPA 8082	12-18-11	12-19-11	
Aroclor 1248	ND	0.050	EPA 8082	12-18-11	12-19-11	
Aroclor 1254	ND	0.050	EPA 8082	12-18-11	12-19-11	
Aroclor 1260	ND	0.050	EPA 8082	12-18-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	89		42-123			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	12-098-03										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.396	0.443	0.500	0.500	ND	79	89	44-125	11	15	
<i>Surrogate:</i>											
DCB						74	84	42-123			

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098
Project: 0180-292-00

**TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-19-11
Date Analyzed: 12-19-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1219SM1&MB1219S1

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

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-19-11
 Date Analyzed: 12-19-11
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: 12-098-17

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	42.3	47.4	11	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	26.3	27.9	6	0.50	
Lead	21.6	22.6	5	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	0.50	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-19-11

Date Analyzed: 12-19-11

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 12-098-17

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	88.7	89	89.0	89	0	
Barium	100	142	100	140	97	2	
Cadmium	50.0	47.0	94	47.2	94	0	
Chromium	100	119	92	121	94	2	
Lead	250	253	93	241	88	5	
Mercury	0.500	0.512	102	0.490	98	4	
Selenium	100	91.6	92	92.3	92	1	
Silver	25.0	21.0	84	21.1	84	0	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098
Project: 0180-292-00

% MOISTURE

Date Analyzed: 12-16-11

Client ID	Lab ID	% Moisture
DP-1-0-2	12-098-01	14
DP-1-13-15	12-098-03	16
DP-3-0-2	12-098-04	15
DP-4-0-2	12-098-07	25
DP-5-0-2	12-098-09	13
DP-6-0-2	12-098-12	11
DP-6-11.5-12.5	12-098-14	17
DP-7-0-2	12-098-15	21
DP-8-0-2	12-098-17	9
DP-9-0-2	12-098-20	29
DP-10-0-2	12-098-22	14



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-naphthalene) 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



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 27, 2011

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1112-110

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 15, 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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: December 27, 2011
Samples Submitted: December 15, 2011
Laboratory Reference: 1112-110
Project: 0180-292-00

Case Narrative

Samples were collected on December 14, 2011 and received by the laboratory on December 15, 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 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.

PAHs EPA 8270D/SIM Analysis

Sample DP-DUPE-1 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%.

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.

Date of Report: December 27, 2011
Samples Submitted: December 15, 2011
Laboratory Reference: 1112-110
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP-10-13-15	12-110-01	Soil	12-14-11	12-15-11	
DP-11-0-2	12-110-02	Soil	12-14-11	12-15-11	
DP-11-2-3.5	12-110-03	Soil	12-14-11	12-15-11	
DP-DUPE-1	12-110-05	Soil	12-14-11	12-15-11	

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
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 Project: 0180-292-00

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-10-13-15					
Laboratory ID:	12-110-01					
Gasoline	ND	5.1	NWTPH-Gx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	68-124				
Client ID:	DP-11-0-2					
Laboratory ID:	12-110-02					
Gasoline	ND	5.8	NWTPH-Gx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	68-124				
Client ID:	DP-11-2-3.5					
Laboratory ID:	12-110-03					
Gasoline	ND	5.1	NWTPH-Gx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	102	68-124				
Client ID:	DP-DUPE-1					
Laboratory ID:	12-110-05					
Gasoline	ND	5.7	NWTPH-Gx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	68-124				

Date of Report: December 27, 2011
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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:	DP-10-13-15					
Laboratory ID:	12-110-01					
Diesel Range Organics	ND	28	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	56	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				

Client ID:	DP-11-0-2					
Laboratory ID:	12-110-02					
Diesel Range Organics	ND	91	NWTPH-Dx	12-19-11	12-19-11	U1
Lube Oil	480	58	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Client ID:	DP-11-2-3.5					
Laboratory ID:	12-110-03					
Diesel Range Organics	ND	29	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	58	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	115	50-150				

Client ID:	DP-DUPE-1					
Laboratory ID:	12-110-05					
Diesel Range Organics	ND	28	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	56	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
 Laboratory Reference: 1112-110
 Project: 0180-292-00

VOLATILES by EPA 8260B
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-10-13-15					
Laboratory ID:	12-110-01					
Dichlorodifluoromethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Chloromethane	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Vinyl Chloride	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Bromomethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Chloroethane	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Trichlorofluoromethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Acetone	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Carbon Disulfide	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Methylene Chloride	ND	0.0045	EPA 8260	12-19-11	12-19-11	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Methyl t-Butyl Ether	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Vinyl Acetate	ND	0.0045	EPA 8260	12-19-11	12-19-11	
2,2-Dichloropropane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
2-Butanone	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Bromochloromethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Chloroform	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Carbon Tetrachloride	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,1-Dichloropropene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Benzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2-Dichloroethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Trichloroethene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2-Dichloropropane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Dibromomethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Bromodichloromethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260	12-19-11	12-19-11	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Methyl Isobutyl Ketone	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Toluene	ND	0.0045	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260	12-19-11	12-19-11	

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
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VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-10-13-15					
Laboratory ID:	12-110-01					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Tetrachloroethene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,3-Dichloropropane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
2-Hexanone	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Dibromochloromethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2-Dibromoethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Chlorobenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Ethylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	ND	0.0018	EPA 8260	12-19-11	12-19-11	
o-Xylene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Styrene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Bromoform	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Isopropylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Bromobenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.0045	EPA 8260	12-19-11	12-19-11	
Naphthalene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>55-121</i>				

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
 Laboratory Reference: 1112-110
 Project: 0180-292-00

VOLATILES by EPA 8260B
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-11-0-2					
Laboratory ID:	12-110-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Chloromethane	ND	0.0054	EPA 8260	12-19-11	12-19-11	
Vinyl Chloride	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Bromomethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Chloroethane	ND	0.0054	EPA 8260	12-19-11	12-19-11	
Trichlorofluoromethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Acetone	0.049	0.0054	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0054	EPA 8260	12-19-11	12-19-11	
Carbon Disulfide	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Methylene Chloride	ND	0.0054	EPA 8260	12-19-11	12-19-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Vinyl Acetate	ND	0.0054	EPA 8260	12-19-11	12-19-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
2-Butanone	ND	0.0054	EPA 8260	12-19-11	12-19-11	
Bromochloromethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Chloroform	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Benzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Trichloroethene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Dibromomethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Bromodichloromethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260	12-19-11	12-19-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260	12-19-11	12-19-11	
Toluene	ND	0.0054	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-19-11	12-19-11	

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
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 Project: 0180-292-00

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-11-0-2					
Laboratory ID:	12-110-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Tetrachloroethene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
2-Hexanone	ND	0.0054	EPA 8260	12-19-11	12-19-11	
Dibromochloromethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Chlorobenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Ethylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	ND	0.0022	EPA 8260	12-19-11	12-19-11	
o-Xylene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Styrene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Bromoform	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Isopropylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Bromobenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.0054	EPA 8260	12-19-11	12-19-11	
Naphthalene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>80</i>	<i>55-121</i>				

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
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 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-11-2-3.5					
Laboratory ID:	12-110-03					
Dichlorodifluoromethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Chloromethane	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Vinyl Chloride	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Bromomethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Chloroethane	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Trichlorofluoromethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Acetone	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Carbon Disulfide	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Methylene Chloride	ND	0.0044	EPA 8260	12-19-11	12-19-11	
(trans) 1,2-Dichloroethene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Methyl t-Butyl Ether	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Vinyl Acetate	ND	0.0044	EPA 8260	12-19-11	12-19-11	
2,2-Dichloropropane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
(cis) 1,2-Dichloroethene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
2-Butanone	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Bromochloromethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Chloroform	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,1,1-Trichloroethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Carbon Tetrachloride	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,1-Dichloropropene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Benzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2-Dichloroethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Trichloroethene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2-Dichloropropane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Dibromomethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Bromodichloromethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260	12-19-11	12-19-11	
(cis) 1,3-Dichloropropene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Methyl Isobutyl Ketone	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Toluene	ND	0.0044	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.00089	EPA 8260	12-19-11	12-19-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-11-2-3.5					
Laboratory ID:	12-110-03					
1,1,2-Trichloroethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Tetrachloroethene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,3-Dichloropropane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
2-Hexanone	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Dibromochloromethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2-Dibromoethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Chlorobenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Ethylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	ND	0.0018	EPA 8260	12-19-11	12-19-11	
o-Xylene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Styrene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Bromoform	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Isopropylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Bromobenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.0044	EPA 8260	12-19-11	12-19-11	
Naphthalene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.00089	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>55-121</i>				

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 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-DUPE-1					
Laboratory ID:	12-110-05					
Dichlorodifluoromethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Chloromethane	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Vinyl Chloride	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Bromomethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Chloroethane	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Trichlorofluoromethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Acetone	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Carbon Disulfide	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Methylene Chloride	ND	0.0049	EPA 8260	12-19-11	12-19-11	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Vinyl Acetate	ND	0.0049	EPA 8260	12-19-11	12-19-11	
2,2-Dichloropropane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
2-Butanone	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Bromochloromethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Chloroform	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Carbon Tetrachloride	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,1-Dichloropropene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Benzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2-Dichloroethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Trichloroethene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2-Dichloropropane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Dibromomethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Bromodichloromethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260	12-19-11	12-19-11	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Methyl Isobutyl Ketone	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Toluene	ND	0.0049	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260	12-19-11	12-19-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-DUPE-1					
Laboratory ID:	12-110-05					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Tetrachloroethene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,3-Dichloropropane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
2-Hexanone	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Dibromochloromethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2-Dibromoethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Chlorobenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Ethylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	ND	0.0019	EPA 8260	12-19-11	12-19-11	
o-Xylene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Styrene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Bromoform	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Isopropylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Bromobenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.0049	EPA 8260	12-19-11	12-19-11	
Naphthalene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>55-121</i>				

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 Project: 0180-292-00

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:	DP-11-0-2					
Laboratory ID:	12-110-02					
n-Nitrosodimethylamine	ND	0.19	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	1.9	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.19	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.19	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.19	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.19	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.19	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	1.9	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Naphthalene	0.026	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
4-Chloroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.19	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Hexachlorocyclopentadiene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
3-Nitroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	

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SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-11-0-2					
Laboratory ID:	12-110-02					
2,4-Dinitrophenol	ND	0.96	EPA 8270	12-19-11	12-20-11	
Acenaphthene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
4-Nitrophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.19	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	0.96	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.19	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.19	EPA 8270	12-19-11	12-20-11	
Fluorene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
4,6-Dinitro-2-methylphenol	ND	0.96	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.19	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.19	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.19	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.19	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	0.96	EPA 8270	12-19-11	12-20-11	
Phenanthrene	0.010	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Carbazole	ND	0.19	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	1.9	EPA 8270	12-19-11	12-20-11	
Fluoranthene	0.015	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzidine	ND	1.9	EPA 8270	12-19-11	12-20-11	
Pyrene	0.022	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Butylbenzylphthalate	ND	1.9	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	0.96	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	1.9	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.011	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
bis(2-Ethylhexyl)phthalate	46	3.9	EPA 8270	12-19-11	12-21-11	
Di-n-octylphthalate	6.7	0.77	EPA 8270	12-19-11	12-21-11	
Benzo[b]fluoranthene	0.0099	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	0.010	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Indeno[1,2,3-cd]pyrene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	52	30 - 97				
Phenol-d6	54	40 - 104				
Nitrobenzene-d5	52	35 - 102				
2-Fluorobiphenyl	81	44 - 97				
2,4,6-Tribromophenol	49	41 - 110				
Terphenyl-d14	79	53 - 107				

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**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:	DP-10-13-15					
Laboratory ID:	12-110-01					
Naphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>48</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>59</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>55</i>	<i>33 - 119</i>				

Date of Report: December 27, 2011
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 Project: 0180-292-00

**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:	DP-11-2-3.5					
Laboratory ID:	12-110-03					
Naphthalene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>49</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>52</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>46</i>	<i>33 - 119</i>				

Date of Report: December 27, 2011
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**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:	DP-DUPE-1					
Laboratory ID:	12-110-05					
Naphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>40</i>	<i>43 - 109</i>				<i>Q</i>
<i>Pyrene-d10</i>	<i>47</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>45</i>	<i>33 - 119</i>				

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 Project: 0180-292-00

PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-10-13-15					
Laboratory ID:	12-110-01					
Aroclor 1016	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1221	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1232	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1242	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1248	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1254	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1260	ND	0.056	EPA 8082	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	74	42-123				
Client ID:	DP-11-0-2					
Laboratory ID:	12-110-02					
Aroclor 1016	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1221	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1232	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1242	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1248	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1254	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1260	ND	0.058	EPA 8082	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	116	42-123				
Client ID:	DP-11-2-3.5					
Laboratory ID:	12-110-03					
Aroclor 1016	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1221	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1232	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1242	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1248	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1254	ND	0.058	EPA 8082	12-21-11	12-21-11	
Aroclor 1260	ND	0.058	EPA 8082	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	59	42-123				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-DUPE-1					
Laboratory ID:	12-110-05					
Aroclor 1016	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1221	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1232	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1242	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1248	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1254	ND	0.056	EPA 8082	12-21-11	12-21-11	
Aroclor 1260	ND	0.056	EPA 8082	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>110</i>	<i>42-123</i>				

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 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-110-01					
Client ID:	DP-10-13-15					
Arsenic	ND	11	6010B	12-20-11	12-20-11	
Barium	58	2.8	6010B	12-20-11	12-20-11	
Cadmium	ND	0.56	6010B	12-20-11	12-20-11	
Chromium	38	0.56	6010B	12-20-11	12-20-11	
Lead	ND	5.6	6010B	12-20-11	12-20-11	
Mercury	ND	0.28	7471A	12-20-11	12-20-11	
Selenium	ND	11	6010B	12-20-11	12-20-11	
Silver	ND	0.56	6010B	12-20-11	12-20-11	

Lab ID:	12-110-02					
Client ID:	DP-11-0-2					
Arsenic	ND	12	6010B	12-20-11	12-20-11	
Barium	82	2.9	6010B	12-20-11	12-20-11	
Cadmium	0.89	0.58	6010B	12-20-11	12-20-11	
Chromium	37	0.58	6010B	12-20-11	12-20-11	
Lead	26	5.8	6010B	12-20-11	12-20-11	
Mercury	ND	0.29	7471A	12-20-11	12-20-11	
Selenium	ND	12	6010B	12-20-11	12-20-11	
Silver	ND	0.58	6010B	12-20-11	12-20-11	

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
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 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-110-03					
Client ID:	DP-11-2-3.5					
Arsenic	ND	12	6010B	12-20-11	12-20-11	
Barium	74	2.9	6010B	12-20-11	12-20-11	
Cadmium	ND	0.58	6010B	12-20-11	12-20-11	
Chromium	45	0.58	6010B	12-20-11	12-20-11	
Lead	ND	5.8	6010B	12-20-11	12-20-11	
Mercury	ND	0.29	7471A	12-20-11	12-20-11	
Selenium	ND	12	6010B	12-20-11	12-20-11	
Silver	ND	0.58	6010B	12-20-11	12-20-11	

Lab ID:	12-110-05					
Client ID:	DP-DUPE-1					
Arsenic	ND	11	6010B	12-20-11	12-20-11	
Barium	56	2.8	6010B	12-20-11	12-20-11	
Cadmium	ND	0.56	6010B	12-20-11	12-20-11	
Chromium	33	0.56	6010B	12-20-11	12-20-11	
Lead	ND	5.6	6010B	12-20-11	12-20-11	
Mercury	ND	0.28	7471A	12-20-11	12-20-11	
Selenium	ND	11	6010B	12-20-11	12-20-11	
Silver	ND	0.56	6010B	12-20-11	12-20-11	

Date of Report: December 27, 2011
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**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1219S1					
Gasoline	ND	5.0	NWTPH-Gx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	68-124				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-111-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>			98	92	68-124			

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**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:	MB1219S1					
Diesel Range Organics	ND	25	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	50	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	120	50-150				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-110-01					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			109 114	50-150		

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
 Laboratory Reference: 1112-110
 Project: 0180-292-00

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:	MB1219S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloromethane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Vinyl Chloride	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromomethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloroethane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Acetone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Iodomethane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Carbon Disulfide	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methylene Chloride	ND	0.0050	EPA 8260	12-19-11	12-19-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Vinyl Acetate	ND	0.0050	EPA 8260	12-19-11	12-19-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Butanone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Bromochloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chloroform	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Benzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Trichloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Dibromomethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromodichloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	12-19-11	12-19-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Toluene	ND	0.0050	EPA 8260	12-19-11	12-19-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-19-11	12-19-11	

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1219S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Tetrachloroethene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Hexanone	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Dibromochloromethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Chlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Ethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
m,p-Xylene	ND	0.0020	EPA 8260	12-19-11	12-19-11	
o-Xylene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Styrene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromoform	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Isopropylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Bromobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	12-19-11	12-19-11	
n-Propylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
n-Butylbenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	12-19-11	12-19-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	12-19-11	12-19-11	
Naphthalene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	95	63-127				
<i>Toluene-d8</i>	99	65-129				
<i>4-Bromofluorobenzene</i>	99	55-121				

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 Project: 0180-292-00

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB1219S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0559	0.0550	0.0500	0.0500	112	110	70-130	2	19	
Benzene	0.0514	0.0506	0.0500	0.0500	103	101	70-125	2	15	
Trichloroethene	0.0471	0.0470	0.0500	0.0500	94	94	70-122	0	14	
Toluene	0.0493	0.0484	0.0500	0.0500	99	97	73-120	2	16	
Chlorobenzene	0.0455	0.0432	0.0500	0.0500	91	86	74-109	5	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					89	84	63-127			
<i>Toluene-d8</i>					91	92	65-129			
<i>4-Bromofluorobenzene</i>					87	88	55-121			

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
 Laboratory Reference: 1112-110
 Project: 0180-292-00

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:	MB1219S2					
n-Nitrosodimethylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.033	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	0.33	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Naphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4-Chloroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
3-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	

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 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1219S2					
2,4-Dinitrophenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4-Nitrophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	0.17	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Carbazole	ND	0.033	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	0.33	EPA 8270	12-19-11	12-20-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzidine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Butylbenzylphthalate	ND	0.33	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270	12-19-11	12-20-11	
Di-n-octylphthalate	ND	0.033	EPA 8270	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>85</i>	<i>30 - 97</i>				
<i>Phenol-d6</i>	<i>80</i>	<i>40 - 104</i>				
<i>Nitrobenzene-d5</i>	<i>74</i>	<i>35 - 102</i>				
<i>2-Fluorobiphenyl</i>	<i>92</i>	<i>44 - 97</i>				
<i>2,4,6-Tribromophenol</i>	<i>103</i>	<i>41 - 110</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>53 - 107</i>				

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 Laboratory Reference: 1112-110
 Project: 0180-292-00

**SEMIVOLATILES by EPA 8270D/SIM
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB1219S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	0.925	0.950	1.33	1.33	70	71	31 - 111	3	34	
2-Chlorophenol	1.04	1.06	1.33	1.33	78	80	29 - 112	2	37	
1,4-Dichlorobenzene	0.522	0.528	0.667	0.667	78	79	24 - 100	1	37	
n-Nitroso-di-n-propylamine	0.396	0.405	0.667	0.667	59	61	35 - 104	2	32	
1,2,4-Trichlorobenzene	0.685	0.713	0.667	0.667	103	107	29 - 110	4	35	
4-Chloro-3-methylphenol	1.13	1.19	1.33	1.33	85	89	53 - 104	5	25	
Acenaphthene	0.544	0.563	0.667	0.667	82	84	50 - 95	3	23	
4-Nitrophenol	1.22	1.30	1.33	1.33	92	98	42 - 126	6	30	
2,4-Dinitrotoluene	0.722	0.749	0.667	0.667	108	112	53 - 115	4	31	
Pentachlorophenol	0.939	1.03	1.33	1.33	71	77	50 - 116	9	30	
Pyrene	0.446	0.468	0.667	0.667	67	70	57 - 120	5	27	
<i>Surrogate:</i>										
2-Fluorophenol					83	82	30 - 97			
Phenol-d6					76	78	40 - 104			
Nitrobenzene-d5					72	74	35 - 102			
2-Fluorobiphenyl					91	91	44 - 97			
2,4,6-Tribromophenol					105	111	41 - 110			
Terphenyl-d14					78	82	53 - 107			

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 Laboratory Reference: 1112-110
 Project: 0180-292-00

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:	MB1219S1					
Naphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>75</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>85</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>77</i>	<i>33 - 119</i>				

Date of Report: December 27, 2011
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 Laboratory Reference: 1112-110
 Project: 0180-292-00

**PAHs by EPA 8270D/SIM
 MS/MSD QUALITY CONTROL
 (with silica gel clean-up)**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
MATRIX SPIKES										
Laboratory ID:	12-110-03									
	MS	MSD	MS	MSD		MS	MSD			
Naphthalene	0.0546	0.0593	0.0833	0.0833	ND	66	71	39 - 110	8	21
Acenaphthylene	0.0530	0.0593	0.0833	0.0833	ND	64	71	47 - 124	11	21
Acenaphthene	0.0489	0.0560	0.0833	0.0833	ND	59	67	50 - 120	14	20
Fluorene	0.0487	0.0568	0.0833	0.0833	ND	58	68	52 - 126	15	21
Phenanthrene	0.0478	0.0551	0.0833	0.0833	ND	57	66	41 - 130	14	22
Anthracene	0.0473	0.0554	0.0833	0.0833	ND	57	67	48 - 124	16	23
Fluoranthene	0.0495	0.0581	0.0833	0.0833	ND	59	70	40 - 137	16	23
Pyrene	0.0487	0.0579	0.0833	0.0833	ND	58	70	36 - 139	17	23
Benzo[a]anthracene	0.0496	0.0593	0.0833	0.0833	ND	60	71	43 - 127	18	21
Chrysene	0.0476	0.0570	0.0833	0.0833	ND	57	68	41 - 133	18	19
Benzo[b]fluoranthene	0.0452	0.0555	0.0833	0.0833	ND	54	67	40 - 132	20	25
Benzo(j,k)fluoranthene	0.0436	0.0526	0.0833	0.0833	ND	52	63	35 - 132	19	25
Benzo[a]pyrene	0.0471	0.0563	0.0833	0.0833	ND	57	68	37 - 131	18	26
Indeno(1,2,3-c,d)pyrene	0.0444	0.0541	0.0833	0.0833	ND	53	65	39 - 134	20	23
Dibenz[a,h]anthracene	0.0457	0.0553	0.0833	0.0833	ND	55	66	40 - 137	19	21
Benzo[g,h,i]perylene	0.0456	0.0550	0.0833	0.0833	ND	55	66	35 - 135	19	22
<i>Surrogate:</i>										
<i>2-Fluorobiphenyl</i>						<i>54</i>	<i>60</i>	<i>43 - 109</i>		
<i>Pyrene-d10</i>						<i>56</i>	<i>67</i>	<i>38 - 128</i>		
<i>Terphenyl-d14</i>						<i>53</i>	<i>63</i>	<i>33 - 119</i>		

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
 Laboratory Reference: 1112-110
 Project: 0180-292-00

**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:	MB1221S1					
Aroclor 1016	ND	0.050	EPA 8082	12-21-11	12-21-11	
Aroclor 1221	ND	0.050	EPA 8082	12-21-11	12-21-11	
Aroclor 1232	ND	0.050	EPA 8082	12-21-11	12-21-11	
Aroclor 1242	ND	0.050	EPA 8082	12-21-11	12-21-11	
Aroclor 1248	ND	0.050	EPA 8082	12-21-11	12-21-11	
Aroclor 1254	ND	0.050	EPA 8082	12-21-11	12-21-11	
Aroclor 1260	ND	0.050	EPA 8082	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	88		42-123			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	12-110-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.237	0.281	0.500	0.500	ND	47	56	44-125	17	20	
<i>Surrogate:</i>											
DCB						47	53	42-123			

Date of Report: December 27, 2011
Samples Submitted: December 15, 2011
Laboratory Reference: 1112-110
Project: 0180-292-00

**TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-20-11
Date Analyzed: 12-20-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1220SM1&MB1220S1

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

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
 Laboratory Reference: 1112-110
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-20-11
 Date Analyzed: 12-20-11

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: 12-110-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	52.1	53.9	4	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	34.4	31.0	10	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	

Date of Report: December 27, 2011
 Samples Submitted: December 15, 2011
 Laboratory Reference: 1112-110
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-20-11

Date Analyzed: 12-20-11

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 12-110-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	88.6	89	87.2	87	2	
Barium	100	149	97	149	97	0	
Cadmium	50.0	46.7	93	46.0	92	1	
Chromium	100	127	93	123	89	3	
Lead	250	227	91	225	90	1	
Mercury	0.500	0.492	98	0.492	98	0	
Selenium	100	92.3	92	91.3	91	1	
Silver	25.0	20.4	82	20.1	80	2	

Date of Report: December 27, 2011
Samples Submitted: December 15, 2011
Laboratory Reference: 1112-110
Project: 0180-292-00

% MOISTURE

Date Analyzed: 12-16-11

Client ID	Lab ID	% Moisture
DP-10-13-15	12-110-01	11
DP-11-0-2	12-110-02	14
DP-11-2-3.5	12-110-03	14
DP-DUPE-1	12-110-05	11



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-naphthalene) 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



Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

Laboratory Number:

12-110

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days) (TPH analysis 5 Days)

_____ (other)

Company: GeoEngineers

Project Number: 0180-292-00

Project Name: WSDOT Mixing Metals

Project Manager: Aaron Wiegman

Sampled by: [Signature]

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	No. of Cont.	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 Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture	
1	DP-10-13-15	12/14/11	1400	Soil	5			X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
2	DP-11-0-2		1600					X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
3	DP-11-2-3.5		1610					X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
4	DP-11-6-8		1630					X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
5	DP-DUPE-1		0800					X	X	X		X	X	X	X	X	X	X	X	X	X	X	X

Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<u>[Signature]</u>	<u>GeoEngineers</u>	<u>12/15/11</u>	<u>1120</u>	
Received	<u>[Signature]</u>	<u>Speery Hsng</u>	<u>12-15-11</u>	<u>1120</u>	
Relinquished	<u>[Signature]</u>	<u>"</u>	<u>"</u>	<u>1414</u>	
Received	<u>[Signature]</u>	<u>ORE</u>	<u>12/15/11</u>	<u>1414</u>	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report <input type="checkbox"/>



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

February 16, 2012

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1202-085

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on February 9, 2012.

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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

Case Narrative

Samples were collected on February 8 and 9, 2012 and received by the laboratory on February 9, 2012. 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 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.

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP12-0.0-2.0	02-085-01	Soil	2-8-12	2-9-12	
DP13-0.0-1.5	02-085-02	Soil	2-8-12	2-9-12	
DP14-0.0-2.0	02-085-03	Soil	2-8-12	2-9-12	
DP15-0.0-2.0	02-085-04	Soil	2-8-12	2-9-12	
DP16-0.0-2.0	02-085-05	Soil	2-8-12	2-9-12	
DP17-0.0-2.0	02-085-06	Soil	2-8-12	2-9-12	
DP18-0.0-2.0	02-085-07	Soil	2-8-12	2-9-12	
DP19-0.0-2.0	02-085-08	Soil	2-8-12	2-9-12	
DP20-0.0-2.0	02-085-09	Soil	2-8-12	2-9-12	
DP21-0.0-2.0	02-085-10	Soil	2-8-12	2-9-12	
DP12-5.0-7.5	02-085-12	Soil	2-8-12	2-9-12	
DP15-5.0-7.0	02-085-19	Soil	2-8-12	2-9-12	
DP21-2.0-3.0	02-085-27	Soil	2-8-12	2-9-12	
HA1-0.0-2.0	02-085-28	Soil	2-9-12	2-9-12	
HA2-0.0-2.0	02-085-29	Soil	2-9-12	2-9-12	
HA3-0.0-2.0	02-085-30	Soil	2-9-12	2-9-12	
HA4-0.0-2.0	02-085-31	Soil	2-9-12	2-9-12	
SED9	02-085-32	Soil	2-9-12	2-9-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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:	DP12-0.0-2.0					
Laboratory ID:	02-085-01					
Diesel Range Organics	ND	28	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil	130	55	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
Client ID:	DP13-0.0-1.5					
Laboratory ID:	02-085-02					
Diesel Range Organics	ND	31	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	63	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				
Client ID:	DP14-0.0-2.0					
Laboratory ID:	02-085-03					
Diesel Range Organics	ND	28	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	56	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				
Client ID:	DP15-0.0-2.0					
Laboratory ID:	02-085-04					
Diesel Range Organics	ND	30	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	60	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	DP16-0.0-2.0					
Laboratory ID:	02-085-05					
Diesel Range Organics	ND	29	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	58	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				
Client ID:	DP17-0.0-2.0					
Laboratory ID:	02-085-06					
Diesel Range Organics	ND	29	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	58	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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:	DP21-0.0-2.0					
Laboratory ID:	02-085-10					
Diesel Fuel #2	100	29	NWTPH-Dx	2-10-12	2-10-12	N
Lube Oil	470	59	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
Client ID:	DP12-5.0-7.5					
Laboratory ID:	02-085-12					
Diesel Range Organics	ND	30	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	59	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				
Client ID:	DP15-5.0-7.0					
Laboratory ID:	02-085-19					
Diesel Range Organics	ND	32	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	65	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
Client ID:	DP21-2.0-3.0					
Laboratory ID:	02-085-27					
Diesel Range Organics	ND	32	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	63	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	100	50-150				
Client ID:	HA1-0.0-2.0					
Laboratory ID:	02-085-28					
Diesel Range Organics	ND	31	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	62	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
Client ID:	HA2-0.0-2.0					
Laboratory ID:	02-085-29					
Diesel Range Organics	ND	34	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	67	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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:	HA3-0.0-2.0					
Laboratory ID:	02-085-30					
Diesel Range Organics	ND	110	NWTPH-Dx	2-10-12	2-10-12	U1
Lube Oil	660	60	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				
Client ID:	SED9					
Laboratory ID:	02-085-32					
Diesel Range Organics	ND	130	NWTPH-Dx	2-10-12	2-10-12	U1
Lube Oil	1000	130	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-0.0-2.0					
Laboratory ID:	02-085-01					
Gasoline	ND	5.3	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	68-124				
Client ID:	DP13-0.0-1.5					
Laboratory ID:	02-085-02					
Gasoline	ND	6.1	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	68-124				
Client ID:	DP14-0.0-2.0					
Laboratory ID:	02-085-03					
Gasoline	ND	5.7	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	68-124				
Client ID:	DP15-0.0-2.0					
Laboratory ID:	02-085-04					
Gasoline	ND	7.2	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	68-124				
Client ID:	DP16-0.0-2.0					
Laboratory ID:	02-085-05					
Gasoline	ND	5.0	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	68-124				
Client ID:	DP17-0.0-2.0					
Laboratory ID:	02-085-06					
Gasoline	ND	5.2	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	68-124				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP18-0.0-2.0					
Laboratory ID:	02-085-07					
Gasoline	ND	5.4	NWTPH-Gx	2-13-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	68-124				
Client ID:	DP19-0.0-2.0					
Laboratory ID:	02-085-08					
Gasoline	ND	5.0	NWTPH-Gx	2-13-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	68-124				
Client ID:	DP20-0.0-2.0					
Laboratory ID:	02-085-09					
Gasoline	ND	5.5	NWTPH-Gx	2-13-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	68-124				
Client ID:	DP12-5.0-7.5					
Laboratory ID:	02-085-12					
Gasoline	ND	4.9	NWTPH-Gx	2-13-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	68-124				
Client ID:	DP15-5.0-7.0					
Laboratory ID:	02-085-19					
Gasoline	ND	6.6	NWTPH-Gx	2-13-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	108	68-124				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

VOLATILES by EPA 8260B
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-0.0-2.0					
Laboratory ID:	02-085-01					
Dichlorodifluoromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0041	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0041	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0041	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-0.0-2.0					
Laboratory ID:	02-085-01					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0017	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>83</i>	<i>55-121</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP13-0.0-1.5					
Laboratory ID:	02-085-02					
Dichlorodifluoromethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0048	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0048	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Acetone	0.023	0.0048	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0048	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0048	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0048	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0048	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0048	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260	2-13-12	2-13-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP13-0.0-1.5					
Laboratory ID:	02-085-02					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0048	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0019	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.00097	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.063	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.063	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.31	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.31	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.063	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.063	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>80</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP14-0.0-2.0					
Laboratory ID:	02-085-03					
Dichlorodifluoromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0041	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0041	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0041	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP14-0.0-2.0					
Laboratory ID:	02-085-03					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0017	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0041	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>89</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-0.0-2.0					
Laboratory ID:	02-085-04					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Acetone	0.10	0.0054	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0054	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0054	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0054	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	2-13-12	2-13-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-0.0-2.0					
Laboratory ID:	02-085-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0021	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.055	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.055	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.27	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.27	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.055	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.055	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>75</i>	<i>55-121</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP16-0.0-2.0					
Laboratory ID:	02-085-05					
Dichlorodifluoromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0044	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0044	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0044	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260	2-13-12	2-13-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP16-0.0-2.0					
Laboratory ID:	02-085-05					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0018	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>106</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>89</i>	<i>55-121</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP17-0.0-2.0					
Laboratory ID:	02-085-06					
Dichlorodifluoromethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0047	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0047	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0047	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.00094	EPA 8260	2-13-12	2-13-12	

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 Samples Submitted: February 9, 2012
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 Project: 0180-292-00

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP17-0.0-2.0					
Laboratory ID:	02-085-06					
1,1,2-Trichloroethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0019	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.00094	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0047	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.00094	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>89</i>	<i>55-121</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP18-0.0-2.0					
Laboratory ID:	02-085-07					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Chloromethane	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Vinyl Chloride	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Bromomethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Chloroethane	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Trichlorofluoromethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,1-Dichloroethene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Acetone	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Iodomethane	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Carbon Disulfide	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Methylene Chloride	ND	0.0053	EPA 8260	2-14-12	2-14-12	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,1-Dichloroethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Vinyl Acetate	ND	0.0053	EPA 8260	2-14-12	2-14-12	
2,2-Dichloropropane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
2-Butanone	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Bromochloromethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Chloroform	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Carbon Tetrachloride	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,1-Dichloropropene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Benzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2-Dichloroethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Trichloroethene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2-Dichloropropane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Dibromomethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Bromodichloromethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260	2-14-12	2-14-12	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Methyl Isobutyl Ketone	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Toluene	ND	0.0053	EPA 8260	2-14-12	2-14-12	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	2-14-12	2-14-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP18-0.0-2.0					
Laboratory ID:	02-085-07					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Tetrachloroethene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,3-Dichloropropane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
2-Hexanone	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Dibromochloromethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2-Dibromoethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Chlorobenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Ethylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
m,p-Xylene	ND	0.0021	EPA 8260	2-14-12	2-14-12	
o-Xylene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Styrene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Bromoform	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Isopropylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Bromobenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	2-14-12	2-14-12	
n-Propylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
2-Chlorotoluene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
4-Chlorotoluene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
tert-Butylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
sec-Butylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
p-Isopropyltoluene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
n-Butylbenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260	2-14-12	2-14-12	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
Hexachlorobutadiene	ND	0.0053	EPA 8260	2-14-12	2-14-12	
Naphthalene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP19-0.0-2.0					
Laboratory ID:	02-085-08					
Dichlorodifluoromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	0.0026	0.00088	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0044	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0044	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	0.0066	0.0044	EPA 8260	2-13-12	2-13-12	
Toluene	0.0066	0.0044	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260	2-13-12	2-13-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP19-0.0-2.0					
Laboratory ID:	02-085-08					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	0.0035	0.00088	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	0.021	0.0018	EPA 8260	2-13-12	2-13-12	
o-Xylene	0.013	0.00088	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	0.0025	0.00088	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	0.013	0.00088	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	0.021	0.00088	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	0.0016	0.00088	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0044	EPA 8260	2-13-12	2-13-12	
Naphthalene	0.0020	0.00088	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>109</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>89</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP20-0.0-2.0					
Laboratory ID:	02-085-09					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	0.0016	0.0010	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0051	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0051	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0051	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	2-13-12	2-13-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP20-0.0-2.0					
Laboratory ID:	02-085-09					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0020	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0051	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-5.0-7.5					
Laboratory ID:	02-085-12					
Dichlorodifluoromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0042	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0042	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Acetone	0.013	0.0042	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0042	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0042	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0042	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0042	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0042	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0042	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260	2-13-12	2-13-12	

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 Samples Submitted: February 9, 2012
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 Project: 0180-292-00

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-5.0-7.5					
Laboratory ID:	02-085-12					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0042	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0017	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0042	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>89</i>	<i>55-121</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-5.0-7.0					
Laboratory ID:	02-085-19					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0054	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0054	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0054	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	2-13-12	2-13-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-5.0-7.0					
Laboratory ID:	02-085-19					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0021	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0054	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>90</i>	<i>55-121</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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:	DP12-0.0-2.0					
Laboratory ID:	02-085-01					
n-Nitrosodimethylamine	ND	0.037	EPA 8270	2-15-12	2-15-12	
Pyridine	ND	0.37	EPA 8270	2-15-12	2-15-12	
Phenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
Aniline	ND	0.037	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroethyl)ether	ND	0.037	EPA 8270	2-15-12	2-15-12	
2-Chlorophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
1,3-Dichlorobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
1,4-Dichlorobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
Benzyl alcohol	ND	0.037	EPA 8270	2-15-12	2-15-12	
1,2-Dichlorobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
2-Methylphenol (o-Cresol)	ND	0.037	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroisopropyl)ether	ND	0.037	EPA 8270	2-15-12	2-15-12	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.037	EPA 8270	2-15-12	2-15-12	
n-Nitroso-di-n-propylamine	ND	0.037	EPA 8270	2-15-12	2-15-12	
Hexachloroethane	ND	0.037	EPA 8270	2-15-12	2-15-12	
Nitrobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
Isophorone	ND	0.037	EPA 8270	2-15-12	2-15-12	
2-Nitrophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,4-Dimethylphenol	ND	0.37	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroethoxy)methane	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,4-Dichlorophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
1,2,4-Trichlorobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
Naphthalene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
4-Chloroaniline	ND	0.037	EPA 8270	2-15-12	2-15-12	
Hexachlorobutadiene	ND	0.037	EPA 8270	2-15-12	2-15-12	
4-Chloro-3-methylphenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
2-Methylnaphthalene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
1-Methylnaphthalene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Hexachlorocyclopentadiene	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,4,6-Trichlorophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,3-Dichloroaniline	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,4,5-Trichlorophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
2-Chloronaphthalene	ND	0.037	EPA 8270	2-15-12	2-15-12	
2-Nitroaniline	ND	0.037	EPA 8270	2-15-12	2-15-12	
1,4-Dinitrobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
Dimethylphthalate	0.12	0.037	EPA 8270	2-15-12	2-15-12	
1,3-Dinitrobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,6-Dinitrotoluene	ND	0.037	EPA 8270	2-15-12	2-15-12	
1,2-Dinitrobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
Acenaphthylene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
3-Nitroaniline	ND	0.037	EPA 8270	2-15-12	2-15-12	

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 Samples Submitted: February 9, 2012
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 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-0.0-2.0					
Laboratory ID:	02-085-01					
2,4-Dinitrophenol	ND	0.18	EPA 8270	2-15-12	2-15-12	
Acenaphthene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
4-Nitrophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,4-Dinitrotoluene	ND	0.037	EPA 8270	2-15-12	2-15-12	
Dibenzofuran	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,3,5,6-Tetrachlorophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
2,3,4,6-Tetrachlorophenol	ND	0.037	EPA 8270	2-15-12	2-15-12	
Diethylphthalate	ND	0.18	EPA 8270	2-15-12	2-15-12	
4-Chlorophenyl-phenylether	ND	0.037	EPA 8270	2-15-12	2-15-12	
4-Nitroaniline	ND	0.037	EPA 8270	2-15-12	2-15-12	
Fluorene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
4,6-Dinitro-2-methylphenol	ND	0.18	EPA 8270	2-15-12	2-15-12	
n-Nitrosodiphenylamine	ND	0.037	EPA 8270	2-15-12	2-15-12	
1,2-Diphenylhydrazine	ND	0.037	EPA 8270	2-15-12	2-15-12	
4-Bromophenyl-phenylether	ND	0.037	EPA 8270	2-15-12	2-15-12	
Hexachlorobenzene	ND	0.037	EPA 8270	2-15-12	2-15-12	
Pentachlorophenol	ND	0.18	EPA 8270	2-15-12	2-15-12	
Phenanthrene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Anthracene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Carbazole	ND	0.037	EPA 8270	2-15-12	2-15-12	
Di-n-butylphthalate	ND	0.37	EPA 8270	2-15-12	2-15-12	
Fluoranthene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Benzidine	ND	0.37	EPA 8270	2-15-12	2-15-12	
Pyrene	0.011	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Butylbenzylphthalate	ND	0.37	EPA 8270	2-15-12	2-15-12	
bis-2-Ethylhexyladipate	ND	0.18	EPA 8270	2-15-12	2-15-12	
3,3'-Dichlorobenzidine	ND	0.37	EPA 8270	2-15-12	2-15-12	
Benzo[a]anthracene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Chrysene	0.0096	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
bis(2-Ethylhexyl)phthalate	0.23	0.18	EPA 8270	2-15-12	2-15-12	
Di-n-octylphthalate	ND	0.037	EPA 8270	2-15-12	2-15-12	
Benzo[b]fluoranthene	0.011	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Benzo(j,k)fluoranthene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Benzo[a]pyrene	0.021	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Indeno[1,2,3-cd]pyrene	0.010	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Dibenz[a,h]anthracene	ND	0.0074	EPA 8270/SIM	2-15-12	2-15-12	
Benzo[g,h,i]perylene	0.046	0.037	EPA 8270	2-15-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	56	30 - 97				
Phenol-d6	68	40 - 104				
Nitrobenzene-d5	63	35 - 102				
2-Fluorobiphenyl	81	44 - 97				
2,4,6-Tribromophenol	96	41 - 110				
Terphenyl-d14	82	53 - 107				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-0.0-2.0					
Laboratory ID:	02-085-04					
n-Nitrosodimethylamine	ND	0.040	EPA 8270	2-15-12	2-15-12	
Pyridine	ND	0.40	EPA 8270	2-15-12	2-15-12	
Phenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
Aniline	ND	0.040	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroethyl)ether	ND	0.040	EPA 8270	2-15-12	2-15-12	
2-Chlorophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,3-Dichlorobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,4-Dichlorobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
Benzyl alcohol	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,2-Dichlorobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
2-Methylphenol (o-Cresol)	ND	0.040	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroisopropyl)ether	ND	0.040	EPA 8270	2-15-12	2-15-12	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.040	EPA 8270	2-15-12	2-15-12	
n-Nitroso-di-n-propylamine	ND	0.040	EPA 8270	2-15-12	2-15-12	
Hexachloroethane	ND	0.040	EPA 8270	2-15-12	2-15-12	
Nitrobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
Isophorone	ND	0.040	EPA 8270	2-15-12	2-15-12	
2-Nitrophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,4-Dimethylphenol	ND	0.40	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroethoxy)methane	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,4-Dichlorophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,2,4-Trichlorobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
Naphthalene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
4-Chloroaniline	ND	0.040	EPA 8270	2-15-12	2-15-12	
Hexachlorobutadiene	ND	0.040	EPA 8270	2-15-12	2-15-12	
4-Chloro-3-methylphenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
2-Methylnaphthalene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
1-Methylnaphthalene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Hexachlorocyclopentadiene	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,4,6-Trichlorophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,3-Dichloroaniline	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,4,5-Trichlorophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
2-Chloronaphthalene	ND	0.040	EPA 8270	2-15-12	2-15-12	
2-Nitroaniline	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,4-Dinitrobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
Dimethylphthalate	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,3-Dinitrobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,6-Dinitrotoluene	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,2-Dinitrobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
Acenaphthylene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
3-Nitroaniline	ND	0.040	EPA 8270	2-15-12	2-15-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-0.0-2.0					
Laboratory ID:	02-085-04					
2,4-Dinitrophenol	ND	0.20	EPA 8270	2-15-12	2-15-12	
Acenaphthene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
4-Nitrophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,4-Dinitrotoluene	ND	0.040	EPA 8270	2-15-12	2-15-12	
Dibenzofuran	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,3,5,6-Tetrachlorophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
2,3,4,6-Tetrachlorophenol	ND	0.040	EPA 8270	2-15-12	2-15-12	
Diethylphthalate	ND	0.20	EPA 8270	2-15-12	2-15-12	
4-Chlorophenyl-phenylether	ND	0.040	EPA 8270	2-15-12	2-15-12	
4-Nitroaniline	ND	0.040	EPA 8270	2-15-12	2-15-12	
Fluorene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
4,6-Dinitro-2-methylphenol	ND	0.20	EPA 8270	2-15-12	2-15-12	
n-Nitrosodiphenylamine	ND	0.040	EPA 8270	2-15-12	2-15-12	
1,2-Diphenylhydrazine	ND	0.040	EPA 8270	2-15-12	2-15-12	
4-Bromophenyl-phenylether	ND	0.040	EPA 8270	2-15-12	2-15-12	
Hexachlorobenzene	ND	0.040	EPA 8270	2-15-12	2-15-12	
Pentachlorophenol	ND	0.20	EPA 8270	2-15-12	2-15-12	
Phenanthrene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Anthracene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Carbazole	ND	0.040	EPA 8270	2-15-12	2-15-12	
Di-n-butylphthalate	ND	0.40	EPA 8270	2-15-12	2-15-12	
Fluoranthene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Benzidine	ND	0.40	EPA 8270	2-15-12	2-15-12	
Pyrene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Butylbenzylphthalate	ND	0.40	EPA 8270	2-15-12	2-15-12	
bis-2-Ethylhexyladipate	ND	0.20	EPA 8270	2-15-12	2-15-12	
3,3'-Dichlorobenzidine	ND	0.40	EPA 8270	2-15-12	2-15-12	
Benzo[a]anthracene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Chrysene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
bis(2-Ethylhexyl)phthalate	ND	0.20	EPA 8270	2-15-12	2-15-12	
Di-n-octylphthalate	ND	0.040	EPA 8270	2-15-12	2-15-12	
Benzo[b]fluoranthene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Benzo(j,k)fluoranthene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Benzo[a]pyrene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Indeno[1,2,3-cd]pyrene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Dibenz[a,h]anthracene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
Benzo[g,h,i]perylene	ND	0.0079	EPA 8270/SIM	2-15-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>55</i>	<i>30 - 97</i>				
<i>Phenol-d6</i>	<i>65</i>	<i>40 - 104</i>				
<i>Nitrobenzene-d5</i>	<i>60</i>	<i>35 - 102</i>				
<i>2-Fluorobiphenyl</i>	<i>74</i>	<i>44 - 97</i>				
<i>2,4,6-Tribromophenol</i>	<i>81</i>	<i>41 - 110</i>				
<i>Terphenyl-d14</i>	<i>72</i>	<i>53 - 107</i>				

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 Project: 0180-292-00

**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:	DP13-0.0-1.5					
Laboratory ID:	02-085-02					
Naphthalene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	0.011	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	0.017	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	0.016	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.0084	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>71</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>73</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>68</i>	<i>33 - 119</i>				

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 Project: 0180-292-00

**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:	DP14-0.0-2.0					
Laboratory ID:	02-085-03					
Naphthalene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>71</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>85</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>80</i>	<i>33 - 119</i>				

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 Project: 0180-292-00

**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:	DP16-0.0-2.0					
Laboratory ID:	02-085-05					
Naphthalene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	69	43 - 109				
<i>Pyrene-d10</i>	73	38 - 128				
<i>Terphenyl-d14</i>	70	33 - 119				

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 Project: 0180-292-00

**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:	DP17-0.0-2.0					
Laboratory ID:	02-085-06					
Naphthalene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.0077	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	63	43 - 109				
<i>Pyrene-d10</i>	65	38 - 128				
<i>Terphenyl-d14</i>	60	33 - 119				

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 Laboratory Reference: 1202-085
 Project: 0180-292-00

**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:	DP12-5.0-7.5					
Laboratory ID:	02-085-12					
Naphthalene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.0079	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>77</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>80</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>77</i>	<i>33 - 119</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**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:	DP15-5.0-7.0					
Laboratory ID:	02-085-19					
Naphthalene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.0086	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>58</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>67</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>61</i>	<i>33 - 119</i>				

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**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:	SED9					
Laboratory ID:	02-085-32					
Naphthalene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	0.017	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.017	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>54</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>67</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>58</i>	<i>33 - 119</i>				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-0.0-2.0					
Laboratory ID:	02-085-01					
Aroclor 1016	ND	0.055	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.055	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.055	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.055	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.055	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.055	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.055	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	86	42-123				
Client ID:	DP13-0.0-1.5					
Laboratory ID:	02-085-02					
Aroclor 1016	ND	0.063	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.063	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.063	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.063	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.063	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.063	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.063	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	86	42-123				
Client ID:	DP14-0.0-2.0					
Laboratory ID:	02-085-03					
Aroclor 1016	ND	0.056	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.056	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.056	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.056	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.056	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.056	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.056	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	84	42-123				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-0.0-2.0					
Laboratory ID:	02-085-04					
Aroclor 1016	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.059	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	89	42-123				
Client ID:	DP16-0.0-2.0					
Laboratory ID:	02-085-05					
Aroclor 1016	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.058	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	91	42-123				
Client ID:	DP17-0.0-2.0					
Laboratory ID:	02-085-06					
Aroclor 1016	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.058	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.058	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	78	42-123				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-5.0-7.5					
Laboratory ID:	02-085-12					
Aroclor 1016	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.059	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.059	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	79	42-123				
Client ID:	DP15-5.0-7.0					
Laboratory ID:	02-085-19					
Aroclor 1016	ND	0.065	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.065	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.065	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.065	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.065	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.065	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.065	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	74	42-123				

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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-01					
Client ID:	DP12-0.0-2.0					
Arsenic	ND	11	6010B	2-14-12	2-14-12	
Barium	75	2.8	6010B	2-14-12	2-14-12	
Cadmium	ND	0.55	6010B	2-14-12	2-14-12	
Chromium	34	0.55	6010B	2-14-12	2-14-12	
Lead	19	5.5	6010B	2-14-12	2-14-12	
Mercury	ND	0.28	7471A	2-14-12	2-14-12	
Selenium	ND	11	6010B	2-14-12	2-14-12	
Silver	ND	0.55	6010B	2-14-12	2-14-12	

Lab ID:	02-085-02					
Client ID:	DP13-0.0-1.5					
Arsenic	ND	13	6010B	2-14-12	2-14-12	
Barium	97	3.1	6010B	2-14-12	2-14-12	
Cadmium	ND	0.63	6010B	2-14-12	2-14-12	
Chromium	37	0.63	6010B	2-14-12	2-14-12	
Lead	ND	6.3	6010B	2-14-12	2-14-12	
Mercury	ND	0.31	7471A	2-14-12	2-14-12	
Selenium	ND	13	6010B	2-14-12	2-14-12	
Silver	ND	0.63	6010B	2-14-12	2-14-12	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-03					
Client ID:	DP14-0.0-2.0					
Arsenic	ND	11	6010B	2-14-12	2-14-12	
Barium	43	2.8	6010B	2-14-12	2-14-12	
Cadmium	ND	0.56	6010B	2-14-12	2-14-12	
Chromium	31	0.56	6010B	2-14-12	2-14-12	
Lead	ND	5.6	6010B	2-14-12	2-14-12	
Mercury	ND	0.28	7471A	2-14-12	2-14-12	
Selenium	ND	11	6010B	2-14-12	2-14-12	
Silver	ND	0.56	6010B	2-14-12	2-14-12	

Lab ID:	02-085-04					
Client ID:	DP15-0.0-2.0					
Arsenic	ND	12	6010B	2-14-12	2-14-12	
Barium	110	3.0	6010B	2-14-12	2-14-12	
Cadmium	ND	0.59	6010B	2-14-12	2-14-12	
Chromium	25	0.59	6010B	2-14-12	2-14-12	
Lead	ND	5.9	6010B	2-14-12	2-14-12	
Mercury	ND	0.30	7471A	2-14-12	2-14-12	
Selenium	ND	12	6010B	2-14-12	2-14-12	
Silver	ND	0.59	6010B	2-14-12	2-14-12	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-05					
Client ID:	DP16-0.0-2.0					
Arsenic	ND	12	6010B	2-14-12	2-14-12	
Barium	45	2.9	6010B	2-14-12	2-14-12	
Cadmium	ND	0.58	6010B	2-14-12	2-14-12	
Chromium	28	0.58	6010B	2-14-12	2-14-12	
Lead	ND	5.8	6010B	2-14-12	2-14-12	
Mercury	ND	0.29	7471A	2-14-12	2-14-12	
Selenium	ND	12	6010B	2-14-12	2-14-12	
Silver	ND	0.58	6010B	2-14-12	2-14-12	

Lab ID:	02-085-06					
Client ID:	DP17-0.0-2.0					
Arsenic	ND	12	6010B	2-14-12	2-14-12	
Barium	55	2.9	6010B	2-14-12	2-14-12	
Cadmium	ND	0.58	6010B	2-14-12	2-14-12	
Chromium	31	0.58	6010B	2-14-12	2-14-12	
Lead	ND	5.8	6010B	2-14-12	2-14-12	
Mercury	ND	0.29	7471A	2-14-12	2-14-12	
Selenium	ND	12	6010B	2-14-12	2-14-12	
Silver	ND	0.58	6010B	2-14-12	2-14-12	

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 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-10					
Client ID:	DP21-0.0-2.0					
Arsenic	ND	12	6010B	2-14-12	2-14-12	
Barium	81	2.9	6010B	2-14-12	2-14-12	
Cadmium	0.83	0.58	6010B	2-14-12	2-14-12	
Chromium	45	0.58	6010B	2-14-12	2-14-12	
Lead	48	5.8	6010B	2-14-12	2-14-12	
Mercury	ND	0.29	7471A	2-14-12	2-14-12	
Selenium	ND	12	6010B	2-14-12	2-14-12	
Silver	ND	0.58	6010B	2-14-12	2-14-12	

Lab ID:	02-085-12					
Client ID:	DP12-5.0-7.5					
Arsenic	ND	12	6010B	2-14-12	2-14-12	
Barium	29	3.0	6010B	2-14-12	2-14-12	
Cadmium	ND	0.59	6010B	2-14-12	2-14-12	
Chromium	35	0.59	6010B	2-14-12	2-14-12	
Lead	ND	5.9	6010B	2-14-12	2-14-12	
Mercury	ND	0.30	7471A	2-14-12	2-14-12	
Selenium	ND	12	6010B	2-14-12	2-14-12	
Silver	ND	0.59	6010B	2-14-12	2-14-12	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-19					
Client ID:	DP15-5.0-7.0					
Arsenic	ND	13	6010B	2-14-12	2-14-12	
Barium	62	3.2	6010B	2-14-12	2-14-12	
Cadmium	ND	0.65	6010B	2-14-12	2-14-12	
Chromium	26	0.65	6010B	2-14-12	2-14-12	
Lead	ND	6.5	6010B	2-14-12	2-14-12	
Mercury	ND	0.32	7471A	2-14-12	2-14-12	
Selenium	ND	13	6010B	2-14-12	2-14-12	
Silver	ND	0.65	6010B	2-14-12	2-14-12	

Lab ID:	02-085-27					
Client ID:	DP21-2.0-3.0					
Arsenic	ND	13	6010B	2-14-12	2-14-12	
Barium	86	3.2	6010B	2-14-12	2-14-12	
Cadmium	ND	0.63	6010B	2-14-12	2-14-12	
Chromium	44	0.63	6010B	2-14-12	2-14-12	
Lead	ND	6.3	6010B	2-14-12	2-14-12	
Mercury	ND	0.32	7471A	2-14-12	2-14-12	
Selenium	ND	13	6010B	2-14-12	2-14-12	
Silver	ND	0.63	6010B	2-14-12	2-14-12	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-28					
Client ID:	HA1-0.0-2.0					
Arsenic	ND	12	6010B	2-14-12	2-14-12	
Barium	120	3.1	6010B	2-14-12	2-14-12	
Cadmium	ND	0.62	6010B	2-14-12	2-14-12	
Chromium	33	0.62	6010B	2-14-12	2-14-12	
Lead	ND	6.2	6010B	2-14-12	2-14-12	
Mercury	ND	0.31	7471A	2-14-12	2-14-12	
Selenium	ND	12	6010B	2-14-12	2-14-12	
Silver	ND	0.62	6010B	2-14-12	2-14-12	

Lab ID:	02-085-29					
Client ID:	HA2-0.0-2.0					
Arsenic	ND	13	6010B	2-14-12	2-14-12	
Barium	93	3.4	6010B	2-14-12	2-14-12	
Cadmium	ND	0.67	6010B	2-14-12	2-14-12	
Chromium	37	0.67	6010B	2-14-12	2-14-12	
Lead	9.6	6.7	6010B	2-14-12	2-14-12	
Mercury	ND	0.34	7471A	2-14-12	2-14-12	
Selenium	ND	13	6010B	2-14-12	2-14-12	
Silver	ND	0.67	6010B	2-14-12	2-14-12	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-30					
Client ID:	HA3-0.0-2.0					
Arsenic	ND	12	6010B	2-14-12	2-14-12	
Barium	91	3.0	6010B	2-14-12	2-14-12	
Cadmium	2.7	0.60	6010B	2-14-12	2-14-12	
Chromium	58	0.60	6010B	2-14-12	2-14-12	
Lead	150	6.0	6010B	2-14-12	2-14-12	
Mercury	ND	0.30	7471A	2-14-12	2-14-12	
Selenium	ND	12	6010B	2-14-12	2-14-12	
Silver	ND	0.60	6010B	2-14-12	2-14-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
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**SOLUBLE HEXAVALENT CHROMIUM
 WATER EXTRACTION
 EPA 7196A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-085-31					
Client ID:	HA4-0.0-2.0					
Hexavalent Chromium	ND	1.3	7196A mod	2-15-12	2-15-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**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:	MB0210S1					
Diesel Range Organics	ND	25	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	50	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	114	50-150				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	02-085-01					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil	114	90.4		23	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			102 104	50-150		
Laboratory ID:	02-085-05					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			105 98	50-150		

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0213S1					
Gasoline	ND	5.0	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	68-124				
Laboratory ID:	MB0213S2					
Gasoline	ND	5.0	NWTPH-Gx	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	68-124				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	02-085-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				90	87	68-124		
Laboratory ID:	02-085-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				101	99	68-124		

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 Project: 0180-292-00

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:	MB0213S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chloromethane	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Vinyl Chloride	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromomethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chloroethane	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Trichlorofluoromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Acetone	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Iodomethane	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Carbon Disulfide	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Methylene Chloride	ND	0.0050	EPA 8260	2-13-12	2-13-12	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1-Dichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Vinyl Acetate	ND	0.0050	EPA 8260	2-13-12	2-13-12	
2,2-Dichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Butanone	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Bromochloromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chloroform	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Carbon Tetrachloride	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1-Dichloropropene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Benzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Trichloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Dibromomethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromodichloromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	2-13-12	2-13-12	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Toluene	ND	0.0050	EPA 8260	2-13-12	2-13-12	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	2-13-12	2-13-12	

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0213S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Tetrachloroethene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,3-Dichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Hexanone	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Dibromochloromethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dibromoethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Chlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Ethylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
m,p-Xylene	ND	0.0020	EPA 8260	2-13-12	2-13-12	
o-Xylene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Styrene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromoform	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Isopropylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Bromobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	2-13-12	2-13-12	
n-Propylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
2-Chlorotoluene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
4-Chlorotoluene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
tert-Butylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
sec-Butylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
p-Isopropyltoluene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
n-Butylbenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	2-13-12	2-13-12	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
Hexachlorobutadiene	ND	0.0050	EPA 8260	2-13-12	2-13-12	
Naphthalene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>55-121</i>				

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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:	MB0214S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Chloromethane	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Vinyl Chloride	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Bromomethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Chloroethane	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Trichlorofluoromethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,1-Dichloroethene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Acetone	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Iodomethane	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Carbon Disulfide	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Methylene Chloride	ND	0.0050	EPA 8260	2-14-12	2-14-12	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,1-Dichloroethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Vinyl Acetate	ND	0.0050	EPA 8260	2-14-12	2-14-12	
2,2-Dichloropropane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
2-Butanone	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Bromochloromethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Chloroform	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Carbon Tetrachloride	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,1-Dichloropropene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Benzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2-Dichloroethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Trichloroethene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2-Dichloropropane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Dibromomethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Bromodichloromethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	2-14-12	2-14-12	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Toluene	ND	0.0050	EPA 8260	2-14-12	2-14-12	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	2-14-12	2-14-12	

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0214S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Tetrachloroethene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,3-Dichloropropane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
2-Hexanone	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Dibromochloromethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2-Dibromoethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Chlorobenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Ethylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
m,p-Xylene	ND	0.0020	EPA 8260	2-14-12	2-14-12	
o-Xylene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Styrene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Bromoform	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Isopropylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Bromobenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	2-14-12	2-14-12	
n-Propylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
2-Chlorotoluene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
4-Chlorotoluene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
tert-Butylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
sec-Butylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
p-Isopropyltoluene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
n-Butylbenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	2-14-12	2-14-12	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
Hexachlorobutadiene	ND	0.0050	EPA 8260	2-14-12	2-14-12	
Naphthalene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>109</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>55-121</i>				

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 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
Laboratory ID:	SB0213S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0603	0.0593	0.0500	0.0500	121	119	70-130	2	19	
Benzene	0.0542	0.0554	0.0500	0.0500	108	111	70-125	2	15	
Trichloroethene	0.0494	0.0482	0.0500	0.0500	99	96	70-122	2	14	
Toluene	0.0512	0.0502	0.0500	0.0500	102	100	73-120	2	16	
Chlorobenzene	0.0500	0.0489	0.0500	0.0500	100	98	74-109	2	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					100	101	63-127			
<i>Toluene-d8</i>					96	96	65-129			
<i>4-Bromofluorobenzene</i>					82	81	55-121			
Laboratory ID:	SB0214S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0571	0.0582	0.0500	0.0500	114	116	70-130	2	19	
Benzene	0.0537	0.0534	0.0500	0.0500	107	107	70-125	1	15	
Trichloroethene	0.0498	0.0499	0.0500	0.0500	100	100	70-122	0	14	
Toluene	0.0503	0.0508	0.0500	0.0500	101	102	73-120	1	16	
Chlorobenzene	0.0497	0.0491	0.0500	0.0500	99	98	74-109	1	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					100	103	63-127			
<i>Toluene-d8</i>					97	100	65-129			
<i>4-Bromofluorobenzene</i>					80	85	55-121			

Date of Report: February 16, 2012
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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:	MB0215S1					
n-Nitrosodimethylamine	ND	0.033	EPA 8270	2-15-12	2-15-12	
Pyridine	ND	0.33	EPA 8270	2-15-12	2-15-12	
Phenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
Aniline	ND	0.033	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270	2-15-12	2-15-12	
2-Chlorophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,3-Dichlorobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,4-Dichlorobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
Benzyl alcohol	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,2-Dichlorobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270	2-15-12	2-15-12	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270	2-15-12	2-15-12	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270	2-15-12	2-15-12	
Hexachloroethane	ND	0.033	EPA 8270	2-15-12	2-15-12	
Nitrobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
Isophorone	ND	0.033	EPA 8270	2-15-12	2-15-12	
2-Nitrophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,4-Dimethylphenol	ND	0.33	EPA 8270	2-15-12	2-15-12	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,4-Dichlorophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
Naphthalene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
4-Chloroaniline	ND	0.033	EPA 8270	2-15-12	2-15-12	
Hexachlorobutadiene	ND	0.033	EPA 8270	2-15-12	2-15-12	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,3-Dichloroaniline	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
2-Chloronaphthalene	ND	0.033	EPA 8270	2-15-12	2-15-12	
2-Nitroaniline	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,4-Dinitrobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
Dimethylphthalate	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,3-Dinitrobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,6-Dinitrotoluene	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,2-Dinitrobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
3-Nitroaniline	ND	0.033	EPA 8270	2-15-12	2-15-12	

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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:	MB0215S1					
2,4-Dinitrophenol	ND	0.17	EPA 8270	2-15-12	2-15-12	
Acenaphthene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
4-Nitrophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,4-Dinitrotoluene	ND	0.033	EPA 8270	2-15-12	2-15-12	
Dibenzofuran	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270	2-15-12	2-15-12	
Diethylphthalate	ND	0.17	EPA 8270	2-15-12	2-15-12	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270	2-15-12	2-15-12	
4-Nitroaniline	ND	0.033	EPA 8270	2-15-12	2-15-12	
Fluorene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270	2-15-12	2-15-12	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270	2-15-12	2-15-12	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270	2-15-12	2-15-12	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270	2-15-12	2-15-12	
Hexachlorobenzene	ND	0.033	EPA 8270	2-15-12	2-15-12	
Pentachlorophenol	ND	0.17	EPA 8270	2-15-12	2-15-12	
Phenanthrene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Anthracene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Carbazole	ND	0.033	EPA 8270	2-15-12	2-15-12	
Di-n-butylphthalate	ND	0.33	EPA 8270	2-15-12	2-15-12	
Fluoranthene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Benzidine	ND	0.33	EPA 8270	2-15-12	2-15-12	
Pyrene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Butylbenzylphthalate	ND	0.33	EPA 8270	2-15-12	2-15-12	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270	2-15-12	2-15-12	
3,3'-Dichlorobenzidine	ND	0.33	EPA 8270	2-15-12	2-15-12	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Chrysene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270	2-15-12	2-15-12	
Di-n-octylphthalate	ND	0.033	EPA 8270	2-15-12	2-15-12	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	2-15-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>58</i>	<i>30 - 97</i>				
<i>Phenol-d6</i>	<i>66</i>	<i>40 - 104</i>				
<i>Nitrobenzene-d5</i>	<i>61</i>	<i>35 - 102</i>				
<i>2-Fluorobiphenyl</i>	<i>70</i>	<i>44 - 97</i>				
<i>2,4,6-Tribromophenol</i>	<i>88</i>	<i>41 - 110</i>				
<i>Terphenyl-d14</i>	<i>82</i>	<i>53 - 107</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**SEMIVOLATILES by EPA 8270D/SIM
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limits	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0215S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	0.985	0.923	1.33	1.33	74	69	31 - 111	6	34	
2-Chlorophenol	1.08	1.05	1.33	1.33	81	79	29 - 112	3	37	
1,4-Dichlorobenzene	0.534	0.529	0.667	0.667	80	79	24 - 100	1	37	
n-Nitroso-di-n-propylamine	0.507	0.501	0.667	0.667	76	75	35 - 104	1	32	
1,2,4-Trichlorobenzene	0.553	0.544	0.667	0.667	83	82	29 - 110	2	35	
4-Chloro-3-methylphenol	1.18	1.21	1.33	1.33	89	91	53 - 104	3	25	
Acenaphthene	0.595	0.580	0.667	0.667	89	87	50 - 95	3	23	
4-Nitrophenol	1.44	1.52	1.33	1.33	108	114	42 - 126	5	30	
2,4-Dinitrotoluene	0.692	0.707	0.667	0.667	104	106	53 - 115	2	31	
Pentachlorophenol	1.37	1.41	1.33	1.33	103	106	50 - 116	3	30	
Pyrene	0.620	0.649	0.667	0.667	93	97	57 - 120	5	27	
<i>Surrogate:</i>										
2-Fluorophenol					65	62	30 - 97			
Phenol-d6					70	68	40 - 104			
Nitrobenzene-d5					65	65	35 - 102			
2-Fluorobiphenyl					73	72	44 - 97			
2,4,6-Tribromophenol					89	90	41 - 110			
Terphenyl-d14					79	83	53 - 107			

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**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:	MB0214S2					
Naphthalene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Acenaphthene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Fluorene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Phenanthrene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Anthracene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Fluoranthene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Pyrene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Chrysene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	2-14-12	2-14-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>85</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>93</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>89</i>	<i>33 - 119</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**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	RPD	RPD	Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0214S2									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	0.0696	0.0706	0.0833	0.0833	84	85	43 - 108	1	27	
Acenaphthylene	0.0733	0.0754	0.0833	0.0833	88	91	52 - 120	3	21	
Acenaphthene	0.0690	0.0704	0.0833	0.0833	83	85	59 - 113	2	17	
Fluorene	0.0730	0.0763	0.0833	0.0833	88	92	64 - 117	4	14	
Phenanthrene	0.0709	0.0717	0.0833	0.0833	85	86	67 - 112	1	12	
Anthracene	0.0780	0.0809	0.0833	0.0833	94	97	59 - 110	4	16	
Fluoranthene	0.0776	0.0795	0.0833	0.0833	93	95	68 - 120	2	15	
Pyrene	0.0794	0.0807	0.0833	0.0833	95	97	66 - 121	2	17	
Benzo[a]anthracene	0.0689	0.0716	0.0833	0.0833	83	86	63 - 114	4	12	
Chrysene	0.0768	0.0788	0.0833	0.0833	92	95	67 - 118	3	12	
Benzo[b]fluoranthene	0.0778	0.0793	0.0833	0.0833	93	95	58 - 127	2	20	
Benzo(j,k)fluoranthene	0.0809	0.0845	0.0833	0.0833	97	101	42 - 134	4	26	
Benzo[a]pyrene	0.0609	0.0606	0.0833	0.0833	73	73	55 - 111	0	19	
Indeno(1,2,3-c,d)pyrene	0.0617	0.0616	0.0833	0.0833	74	74	60 - 125	0	20	
Dibenz[a,h]anthracene	0.0721	0.0744	0.0833	0.0833	87	89	62 - 125	3	19	
Benzo[g,h,i]perylene	0.0711	0.0732	0.0833	0.0833	85	88	61 - 124	3	19	
<i>Surrogate:</i>										
2-Fluorobiphenyl					74	82	43 - 109			
Pyrene-d10					85	85	38 - 128			
Terphenyl-d14					79	79	33 - 119			

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**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:	MB0214S1					
Aroclor 1016	ND	0.050	EPA 8082	2-14-12	2-15-12	
Aroclor 1221	ND	0.050	EPA 8082	2-14-12	2-15-12	
Aroclor 1232	ND	0.050	EPA 8082	2-14-12	2-15-12	
Aroclor 1242	ND	0.050	EPA 8082	2-14-12	2-15-12	
Aroclor 1248	ND	0.050	EPA 8082	2-14-12	2-15-12	
Aroclor 1254	ND	0.050	EPA 8082	2-14-12	2-15-12	
Aroclor 1260	ND	0.050	EPA 8082	2-14-12	2-15-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	98		42-123			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-093-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.561	0.503	0.500	0.500	ND	112	101	44-125	11	15	
<i>Surrogate:</i>											
DCB						102	91	42-123			

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

**TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL**

Date Extracted: 2-14-12
Date Analyzed: 2-14-12

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0214SM1

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

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

**TOTAL MERCURY
EPA 7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 2-10-12
Date Analyzed: 2-10-12

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0210S2

Analyte	Method	Result	PQL
Mercury	7471A	ND	0.25

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B
 DUPLICATE QUALITY CONTROL**

Date Extracted: 2-14-12

Date Analyzed: 2-14-12

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 02-110-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	37.5	37.0	1	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	13.8	16.1	16	0.50	
Lead	ND	ND	NA	5.0	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	0.50	

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

**TOTAL MERCURY
EPA 7471A
DUPLICATE QUALITY CONTROL**

Date Extracted: 2-10-12

Date Analyzed: 2-10-12

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 02-085-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	ND	ND	NA	0.25	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B
 MS/MSD QUALITY CONTROL**

Date Extracted: 2-14-12

Date Analyzed: 2-14-12

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 02-110-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	100	100	101	101	1	
Barium	100	146	109	141	104	4	
Cadmium	50.0	49.4	99	50.2	100	2	
Chromium	100	114	100	114	100	0	
Lead	250	245	98	248	99	1	
Selenium	100	99.1	99	106	106	7	
Silver	25.0	23.3	93	24.0	96	3	

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

TOTAL MERCURY
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 2-10-12

Date Analyzed: 2-10-12

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 02-085-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	0.551	110	0.542	108	2	

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

**SOLUBLE HEXAVALENT CHROMIUM
WATER EXTRACTION
EPA 7196A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 2-15-12
Date Analyzed: 2-15-12

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0215S1

Analyte	Method	Result	PQL
Hexavalent Chromium	7196A mod	ND	1.0

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

**SOLUBLE HEXAVALENT CHROMIUM
WATER EXTRACTION
EPA 7196A
DUPLICATE QUALITY CONTROL**

Date Extracted: 2-15-12
Date Analyzed: 2-15-12

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-093-01

Analyte	Sample Result	Duplicate Result	RPD	Flags	PQL
Hexavalent Chromium	ND	ND	NA		1.0

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

**SOLUBLE HEXAVALENT CHROMIUM
WATER EXTRACTION
EPA 7196A
MS/MSD QUALITY CONTROL**

Date Extracted: 2-15-12
Date Analyzed: 2-15-12

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-093-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Hexavalent Chromium	5.00	5.11	102	4.93	99	4	

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085
Project: 0180-292-00

% MOISTURE

Date Analyzed: 2-10,13&14-12

Client ID	Lab ID	% Moisture
DP12-0.0-2.0	02-085-01	10
DP13-0.0-1.5	02-085-02	20
DP14-0.0-2.0	02-085-03	11
DP15-0.0-2.0	02-085-04	16
DP16-0.0-2.0	02-085-05	13
DP17-0.0-2.0	02-085-06	14
DP18-0.0-2.0	02-085-07	13
DP19-0.0-2.0	02-085-08	11
DP20-0.0-2.0	02-085-09	15
DP21-0.0-2.0	02-085-10	14
DP12-5.0-7.5	02-085-12	15
DP15-5.0-7.0	02-085-19	23
DP21-2.0-3.0	02-085-27	21
HA1-0.0-2.0	02-085-28	20
HA2-0.0-2.0	02-085-29	26
HA3-0.0-2.0	02-085-30	17
HA4-0.0-2.0	02-085-31	21
SED9	02-085-32	60



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-naphthalene) 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

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Rush 4 Days
 Short Hold

Chain of
Custody Record

Client: Geo Engineers Client Contact: Aaron Waggoner Date: 2/9/12 Chain of Custody Number: 12706

Address: 1101 S. Fayette Ave Ste 200 Telephone Number (Area Code) and Number: (253) 383 4940 Lab Number: _____ Page 1 of 3

City: Tacoma State: WA Zip Code: 98402 Sampler: Aaron Waggoner Lab Contact: Daniel Brunsen Analysis (Attach list if more space is needed): _____

Project Name and Location (State): WSDOT Mukong Metals, Squish, WA Billing Contact: _____ Containers & Preservatives: _____ Special Instructions/ Conditions of Receipt: 02-085

Contract/Purchase Order/Quote No.: 0180-292-00 Matrix: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)									
			Air	Aqueous	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	NWPH-D ₂ w/ silica gel cleanup	NWPH-6x	VOCs lowlevel	SUOCs lowlevel	PAHs lowlevel	Dissolved RCRAB metals	Total RCRAB metals	PCB	Hold	RCRAB Metals	Remarks
1 DP12-0.0-2.0	2/8/12	1100	X											X	X	X	X	X	X	X	X	
2 DP13-0.0-1.0g		1125	X											X	X	X	X	X	X	X	X	
3 DP14-0.0-2.0		1155	X											X	X	X	X	X	X	X	X	
4 DP15-0.0-2.0		1335	X											X	X	X	X	X	X	X	X	
5 DP16-0.0-2.0		1355	X											X	X	X	X	X	X	X	X	
6 DP17-0.0-2.0		1400	X											X	X	X	X	X	X	X	X	
7 DP18-0.0-2.0		1520	X											X	X	X	X	X	X	X	X	
8 DP19-0.0-2.6		1530	X											X	X	X	X	X	X	X	X	
9 DP20-0.0-2.0		1540	X											X	X	X	X	X	X	X	X	
10 DP21-0.0-2.0		1615	X											X	X	X	X	X	X	X	X	
11 DP12-2.5-3.5		1105	X											X	X	X	X	X	X	X	X	
12 DP12-5.0-7.5		1110	X											X	X	X	X	X	X	X	X	

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal: Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By Sign/Print: Aaron Waggoner Date: 2/9/12 Time: 1630 Received By Sign/Print: MVDUN Date: 2/9/12 Time: 1636

2. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

TestAmerica Inc

THE LEADER IN ENVIRONMENTAL TESTING
On-Site Environmental

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-972-2310
Fax 253-622-9047
www.testamainc.com

Rush 4 days
 Short Hold

Chain of
Custody Record
02-085

Client: *Geotrig/veas*

Client Contact: *Aaron Lagrone*

Date: *2/9/12*

Chain of Custody Number: *12705*

Address: *1101 S. Fawcett Ave Ste 200*

Telephone Number (Area Code): *(253) 3834940*

Lab Number

Page *2* of *3*

City: *Tacoma* State: *WA* Zip Code: *98402*

Sampler: *Aaron Lagrone* Lab Contact: *David Burmeister*

Billing Contact

Special Instructions/ Conditions of Receipt: *02-084*

Project Name and Location (State): *WSDOT Midway Metals Seguin WA*

Contract/Purchase Order/Quote No. *0180-292-00*

Analysis (Attach list if more space is needed)

Matrix: *soils*

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)

Containers & Preservatives

Matrix: *soils*

Analysis: *NWTPH-D₂ w/50% acet cleanup
NWTPH-Gx
VOCs 1st level
SVOCs 1st level
PAHs 1st level
RCRA 8 metals
PCBs
HOLD*

Sample I.D. and Location/Description	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Containers & Preservatives	Matrix	Analysis (Attach list if more space is needed)
13 DP12-7.5-8.5	2/8/12	11:15				X									X
14 DP13-5.0-7.0		11:35				X									X
15 DP13-8.0-1.0		11:40				X									X
16 DP14-2.0-3.0		12:15				X									X
17 DP14-5.0-7.0		12:30				X									X
18 DP15-2.0-3.0		13:20				X									X
19 DP15-5.0-7.0		13:30				X									X
20 DP16-2.0-3.0		14:00				X									X
21 DP16-5.0-7.0		14:10				X									X
22 DP17-2.0-3.0		14:35				X									X
23 DP17-5.0-7.0		14:40				X									X
24 DP18-2.0-3.0		15:25				X									X

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Relinquished By Sign/Print: *Aaron Lagrone* Date: *2/9/12* Time: *16:30* Received By Sign/Print: *MWBND* Date: *2/9/12* Time: *16:30*

2. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

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 Fax 253-922-5047
 www.testamericainc.com

Rush 4 days
 Short Hold

Chain of
 Custody Record

Client: **Geo Engineers** Client Contact: **Aaron Wegman** Date: **2/19/12** Chain of Custody Number: **13614**

Address: **1101 S. Fawcett Ave. #200** Telephone Number (Area Code)/Fax Number: **253 383 4940** Lab Number: **02-085**

City: **Tacoma** State: **WA** Zip Code: **98402** Sampler: **Aaron Wegman** Lab Contact: **Daniel Burmeister** Page **3** of **3**

Project Name and Location (State): **WS DOT Milling Metals, Selyka, WA** Billing Contact: **Daniel Burmeister**

Contract/Purchase Order/Quote No.: **0180-292-00**

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)																							
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	NWTPH-Dx	NWTPH-6x	VOCs low level	PAHs low level	SVOCs low level	Dissolved metals	Total metals	PCBs	Hold	PCRA 8 metals	VI	Moisture												
25 DP19-2030	2/8/12	1535				X																														
26 DP20-20-3.0		1545				X																														
27 DP21-203.0		1620				X																														
28 HA1-0.0-2.0	2/9/12	1105				X																														
29 HA2-0.0-2.0	2/1/12	1115				X																														
30 HA3-0.0-2.0	2/9/12	1120				X																														
31 HA4-0.0-2.0	2/9/12	1130				X																														
32 SED9	2/9/12	1040				X																														

Special Instructions/
 Conditions of Receipt

Cooler Yes No Cooler Temp: _____ Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (business days) 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify) _____

Sample Disposal Return to Client Archive For _____ Months Disposal By Lab (A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print: *[Signature]* Date: **2/19/12** Time: **1630** I. Received By Sign/Print: *[Signature]* Date: **2/19/12** Time: **1630**

2. Relinquished By Sign/Print: *[Signature]* Date: _____ Time: _____ 2. Received By Sign/Print: *[Signature]* Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____ 3. Received By Sign/Print: _____ Date: _____ Time: _____

Comments _____



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 29, 2011

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1112-098B

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 14, 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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: December 29, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098B
Project: 0180-292-00

Case Narrative

Samples were collected on December 13 and 14, 2011 and received by the laboratory on December 14, 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 Analysis

Sample analysis holding time for DP-8-2-3 was exceeded by approximately one day.

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 Dx Analysis

Samples DP-3-3-4, DP-4-5-6, DP-5-6-7, and DP-6-3.5-4.5 were extracted and analyzed out of holding time.

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

The holding times for samples DP-4-5-6, DP-5-6-7, and DP-6-3.5-4.5 were exceeded by one day.

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 Analysis

The sample DP-9-6-7 was extracted and analyzed one day out of holding time.

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.

Date of Report: December 29, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098B
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP-3-3-4	12-098-05	Soil	12-13-11	12-14-11	
DP-4-5-6	12-098-08	Soil	12-13-11	12-14-11	
DP-5-6-7	12-098-10	Soil	12-13-11	12-14-11	
DP-6-3.5-4.5	12-098-13	Soil	12-13-11	12-14-11	
DP-7-5-6	12-098-16	Soil	12-14-11	12-14-11	
DP-8-2-3	12-098-18	Soil	12-14-11	12-14-11	
DP-9-6-7	12-098-21	Soil	12-14-11	12-14-11	

Date of Report: December 29, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098B
Project: 0180-292-00

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-8-2-3					
Laboratory ID:	12-098-18					
Gasoline	ND	5.2	NWTPH-Gx	12-29-11	12-29-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	68-124				

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

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:	DP-3-3-4					
Laboratory ID:	12-098-05					
Diesel Range Organics	ND	29	NWTPH-Dx	12-28-11	12-28-11	
Lube Oil Range Organics	ND	58	NWTPH-Dx	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	110	50-150				
Client ID:	DP-4-5-6					
Laboratory ID:	12-098-08					
Diesel Range Organics	ND	32	NWTPH-Dx	12-28-11	12-28-11	
Lube Oil Range Organics	ND	64	NWTPH-Dx	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				
Client ID:	DP-5-6-7					
Laboratory ID:	12-098-10					
Diesel Range Organics	ND	30	NWTPH-Dx	12-28-11	12-28-11	
Lube Oil Range Organics	ND	60	NWTPH-Dx	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
Client ID:	DP-6-3.5-4.5					
Laboratory ID:	12-098-13					
Diesel Range Organics	ND	29	NWTPH-Dx	12-28-11	12-28-11	
Lube Oil Range Organics	ND	59	NWTPH-Dx	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

VOLATILES by EPA 8260B
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-4-5-6					
Laboratory ID:	12-098-08					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chloromethane	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Vinyl Chloride	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromomethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chloroethane	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Trichlorofluoromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Acetone	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Iodomethane	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Carbon Disulfide	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Methylene Chloride	ND	0.0056	EPA 8260	12-28-11	12-28-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Vinyl Acetate	ND	0.0056	EPA 8260	12-28-11	12-28-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Butanone	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Bromochloromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chloroform	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Benzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Trichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Dibromomethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromodichloromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260	12-28-11	12-28-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Methyl Isobutyl Ketone	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Toluene	ND	0.0056	EPA 8260	12-28-11	12-28-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-28-11	12-28-11	

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-4-5-6					
Laboratory ID:	12-098-08					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Tetrachloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Hexanone	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Dibromochloromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Ethylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
m,p-Xylene	ND	0.0023	EPA 8260	12-28-11	12-28-11	
o-Xylene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Styrene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromoform	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Isopropylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
n-Propylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Chlorotoluene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
4-Chlorotoluene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
tert-Butylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
sec-Butylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
p-Isopropyltoluene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
n-Butylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260	12-28-11	12-28-11	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Hexachlorobutadiene	ND	0.0056	EPA 8260	12-28-11	12-28-11	
Naphthalene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>107</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>111</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>86</i>	<i>55-121</i>				

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

VOLATILES by EPA 8260B
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-5-6-7					
Laboratory ID:	12-098-10					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chloromethane	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Vinyl Chloride	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromomethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chloroethane	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Trichlorofluoromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Acetone	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Iodomethane	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Carbon Disulfide	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Methylene Chloride	ND	0.0054	EPA 8260	12-28-11	12-28-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Vinyl Acetate	ND	0.0054	EPA 8260	12-28-11	12-28-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Butanone	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Bromochloromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chloroform	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Benzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Trichloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Dibromomethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromodichloromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260	12-28-11	12-28-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Toluene	ND	0.0054	EPA 8260	12-28-11	12-28-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	12-28-11	12-28-11	

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

VOLATILES by EPA 8260B
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-5-6-7					
Laboratory ID:	12-098-10					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Tetrachloroethene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Hexanone	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Dibromochloromethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Chlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Ethylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
m,p-Xylene	ND	0.0022	EPA 8260	12-28-11	12-28-11	
o-Xylene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Styrene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromoform	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Isopropylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Bromobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	12-28-11	12-28-11	
n-Propylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
2-Chlorotoluene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
4-Chlorotoluene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
tert-Butylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
sec-Butylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
p-Isopropyltoluene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
n-Butylbenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260	12-28-11	12-28-11	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
Hexachlorobutadiene	ND	0.0054	EPA 8260	12-28-11	12-28-11	
Naphthalene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>86</i>	<i>55-121</i>				

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 Project: 0180-292-00

VOLATILES by EPA 8260B
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-3.5-4.5					
Laboratory ID:	12-098-13					
Dichlorodifluoromethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Chloromethane	ND	0.0048	EPA 8260	12-28-11	12-28-11	
Vinyl Chloride	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Bromomethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Chloroethane	ND	0.0048	EPA 8260	12-28-11	12-28-11	
Trichlorofluoromethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Acetone	0.016	0.0048	EPA 8260	12-28-11	12-28-11	
Iodomethane	ND	0.0048	EPA 8260	12-28-11	12-28-11	
Carbon Disulfide	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Methylene Chloride	ND	0.0048	EPA 8260	12-28-11	12-28-11	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Vinyl Acetate	ND	0.0048	EPA 8260	12-28-11	12-28-11	
2,2-Dichloropropane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
2-Butanone	ND	0.0048	EPA 8260	12-28-11	12-28-11	
Bromochloromethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Chloroform	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Carbon Tetrachloride	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,1-Dichloropropene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Benzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2-Dichloroethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Trichloroethene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2-Dichloropropane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Dibromomethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Bromodichloromethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260	12-28-11	12-28-11	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260	12-28-11	12-28-11	
Toluene	ND	0.0048	EPA 8260	12-28-11	12-28-11	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260	12-28-11	12-28-11	

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VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-6-3.5-4.5					
Laboratory ID:	12-098-13					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Tetrachloroethene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,3-Dichloropropane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
2-Hexanone	ND	0.0048	EPA 8260	12-28-11	12-28-11	
Dibromochloromethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2-Dibromoethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Chlorobenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Ethylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
m,p-Xylene	ND	0.0019	EPA 8260	12-28-11	12-28-11	
o-Xylene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Styrene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Bromoform	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Isopropylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Bromobenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260	12-28-11	12-28-11	
n-Propylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
2-Chlorotoluene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
4-Chlorotoluene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,3,5-Trimethylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
tert-Butylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2,4-Trimethylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
sec-Butylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
p-Isopropyltoluene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2-Dichlorobenzene	0.0019	0.00097	EPA 8260	12-28-11	12-28-11	
n-Butylbenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260	12-28-11	12-28-11	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
Hexachlorobutadiene	ND	0.0048	EPA 8260	12-28-11	12-28-11	
Naphthalene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>111</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>55-121</i>				

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 Project: 0180-292-00

**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:	DP-9-6-7					
Laboratory ID:	12-098-21					
Naphthalene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
2-Methylnaphthalene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
1-Methylnaphthalene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Acenaphthylene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Acenaphthene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Fluorene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Phenanthrene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Anthracene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Fluoranthene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Pyrene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[a]anthracene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Chrysene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[b]fluoranthene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Benzo(j,k)fluoranthene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[a]pyrene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Dibenz[a,h]anthracene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[g,h,i]perylene	ND	0.0083	EPA 8270/SIM	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>54</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>54</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>52</i>	<i>33 - 119</i>				

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-4-5-6					
Laboratory ID:	12-098-08					
Aroclor 1016	ND	0.064	EPA 8082	12-28-11	12-28-11	
Aroclor 1221	ND	0.064	EPA 8082	12-28-11	12-28-11	
Aroclor 1232	ND	0.064	EPA 8082	12-28-11	12-28-11	
Aroclor 1242	ND	0.064	EPA 8082	12-28-11	12-28-11	
Aroclor 1248	ND	0.064	EPA 8082	12-28-11	12-28-11	
Aroclor 1254	ND	0.064	EPA 8082	12-28-11	12-28-11	
Aroclor 1260	ND	0.064	EPA 8082	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	73	42-123				
Client ID:	DP-5-6-7					
Laboratory ID:	12-098-10					
Aroclor 1016	ND	0.060	EPA 8082	12-28-11	12-28-11	
Aroclor 1221	ND	0.060	EPA 8082	12-28-11	12-28-11	
Aroclor 1232	ND	0.060	EPA 8082	12-28-11	12-28-11	
Aroclor 1242	ND	0.060	EPA 8082	12-28-11	12-28-11	
Aroclor 1248	ND	0.060	EPA 8082	12-28-11	12-28-11	
Aroclor 1254	ND	0.060	EPA 8082	12-28-11	12-28-11	
Aroclor 1260	ND	0.060	EPA 8082	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	42-123				
Client ID:	DP-6-3.5-4.5					
Laboratory ID:	12-098-13					
Aroclor 1016	ND	0.059	EPA 8082	12-28-11	12-28-11	
Aroclor 1221	ND	0.059	EPA 8082	12-28-11	12-28-11	
Aroclor 1232	ND	0.059	EPA 8082	12-28-11	12-28-11	
Aroclor 1242	ND	0.059	EPA 8082	12-28-11	12-28-11	
Aroclor 1248	ND	0.059	EPA 8082	12-28-11	12-28-11	
Aroclor 1254	ND	0.059	EPA 8082	12-28-11	12-28-11	
Aroclor 1260	ND	0.059	EPA 8082	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	79	42-123				

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 Project: 0180-292-00

PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP-7-5-6					
Laboratory ID:	12-098-16					
Aroclor 1016	ND	0.061	EPA 8082	12-28-11	12-28-11	
Aroclor 1221	ND	0.061	EPA 8082	12-28-11	12-28-11	
Aroclor 1232	ND	0.061	EPA 8082	12-28-11	12-28-11	
Aroclor 1242	ND	0.061	EPA 8082	12-28-11	12-28-11	
Aroclor 1248	ND	0.061	EPA 8082	12-28-11	12-28-11	
Aroclor 1254	ND	0.061	EPA 8082	12-28-11	12-28-11	
Aroclor 1260	ND	0.061	EPA 8082	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>81</i>	<i>42-123</i>				
Client ID:	DP-8-2-3					
Laboratory ID:	12-098-18					
Aroclor 1016	ND	0.057	EPA 8082	12-28-11	12-28-11	
Aroclor 1221	ND	0.057	EPA 8082	12-28-11	12-28-11	
Aroclor 1232	ND	0.057	EPA 8082	12-28-11	12-28-11	
Aroclor 1242	ND	0.057	EPA 8082	12-28-11	12-28-11	
Aroclor 1248	ND	0.057	EPA 8082	12-28-11	12-28-11	
Aroclor 1254	ND	0.057	EPA 8082	12-28-11	12-28-11	
Aroclor 1260	ND	0.057	EPA 8082	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>80</i>	<i>42-123</i>				

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-08					
Client ID:	DP-4-5-6					
Arsenic	ND	13	6010B	12-28-11	12-28-11	
Barium	54	3.2	6010B	12-28-11	12-28-11	
Cadmium	ND	0.64	6010B	12-28-11	12-28-11	
Chromium	46	0.64	6010B	12-28-11	12-28-11	
Lead	ND	6.4	6010B	12-28-11	12-28-11	
Mercury	ND	0.32	7471A	12-28-11	12-28-11	
Selenium	ND	13	6010B	12-28-11	12-28-11	
Silver	ND	0.64	6010B	12-28-11	12-28-11	

Lab ID:	12-098-10					
Client ID:	DP-5-6-7					
Arsenic	ND	12	6010B	12-28-11	12-28-11	
Barium	72	3.0	6010B	12-28-11	12-28-11	
Cadmium	ND	0.60	6010B	12-28-11	12-28-11	
Chromium	50	0.60	6010B	12-28-11	12-28-11	
Lead	ND	6.0	6010B	12-28-11	12-28-11	
Mercury	ND	0.30	7471A	12-28-11	12-28-11	
Selenium	ND	12	6010B	12-28-11	12-28-11	
Silver	ND	0.60	6010B	12-28-11	12-28-11	

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 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-098-13					
Client ID:	DP-6-3.5-4.5					
Arsenic	ND	12	6010B	12-28-11	12-28-11	
Barium	46	2.9	6010B	12-28-11	12-28-11	
Cadmium	ND	0.59	6010B	12-28-11	12-28-11	
Chromium	34	0.59	6010B	12-28-11	12-28-11	
Lead	ND	5.9	6010B	12-28-11	12-28-11	
Mercury	ND	0.29	7471A	12-28-11	12-28-11	
Selenium	ND	12	6010B	12-28-11	12-28-11	
Silver	ND	0.59	6010B	12-28-11	12-28-11	

Date of Report: December 29, 2011
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**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1229S1					
Gasoline	ND	5.0	NWTPH-Gx	12-29-11	12-29-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	68-124				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-098-18							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	95	68-124		

Date of Report: December 29, 2011
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**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:	MB1228S1					
Diesel Range Organics	ND	25	NWTPH-Dx	12-28-11	12-28-11	
Lube Oil Range Organics	ND	50	NWTPH-Dx	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>117</i>	<i>50-150</i>				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-098-13					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			103 105	50-150		

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
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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:	MB1228S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Chloromethane	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Vinyl Chloride	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Bromomethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Chloroethane	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Acetone	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Iodomethane	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Carbon Disulfide	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Methylene Chloride	ND	0.0050	EPA 8260	12-28-11	12-28-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Vinyl Acetate	ND	0.0050	EPA 8260	12-28-11	12-28-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
2-Butanone	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Bromochloromethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Chloroform	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Benzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Trichloroethene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Dibromomethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Bromodichloromethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	12-28-11	12-28-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Toluene	ND	0.0050	EPA 8260	12-28-11	12-28-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-28-11	12-28-11	

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1228S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Tetrachloroethene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
2-Hexanone	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Dibromochloromethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Chlorobenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Ethylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
m,p-Xylene	ND	0.0020	EPA 8260	12-28-11	12-28-11	
o-Xylene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Styrene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Bromoform	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Isopropylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Bromobenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	12-28-11	12-28-11	
n-Propylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
n-Butylbenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	12-28-11	12-28-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	12-28-11	12-28-11	
Naphthalene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>55-121</i>				

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB1228S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0636	0.0633	0.0500	0.0500	127	127	70-130	0	19	
Benzene	0.0547	0.0564	0.0500	0.0500	109	113	70-125	3	15	
Trichloroethene	0.0484	0.0490	0.0500	0.0500	97	98	70-122	1	14	
Toluene	0.0518	0.0512	0.0500	0.0500	104	102	73-120	1	16	
Chlorobenzene	0.0428	0.0431	0.0500	0.0500	86	86	74-109	1	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					96	99	63-127			
<i>Toluene-d8</i>					100	100	65-129			
<i>4-Bromofluorobenzene</i>					79	79	55-121			

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

**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:	MB1228S1					
Naphthalene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>83</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>81</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>33 - 119</i>				

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

**PAHs by EPA 8270D/SIM
 MS/MSD QUALITY CONTROL
 (with silica gel clean-up)**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
MATRIX SPIKES										
Laboratory ID:	12-170-20									
	MS	MSD	MS	MSD		MS	MSD			
Naphthalene	0.0522	0.0601	0.0833	0.0833	ND	63	72	39 - 110	14	21
Acenaphthylene	0.0562	0.0637	0.0833	0.0833	ND	67	76	47 - 124	13	21
Acenaphthene	0.0572	0.0640	0.0833	0.0833	ND	69	77	50 - 120	11	20
Fluorene	0.0565	0.0644	0.0833	0.0833	ND	68	77	52 - 126	13	21
Phenanthrene	0.0547	0.0628	0.0833	0.0833	ND	66	75	41 - 130	14	22
Anthracene	0.0534	0.0613	0.0833	0.0833	ND	64	74	48 - 124	14	23
Fluoranthene	0.0567	0.0651	0.0833	0.0833	ND	68	78	40 - 137	14	23
Pyrene	0.0572	0.0651	0.0833	0.0833	ND	69	78	36 - 139	13	23
Benzo[a]anthracene	0.0654	0.0754	0.0833	0.0833	ND	79	91	43 - 127	14	21
Chrysene	0.0564	0.0628	0.0833	0.0833	ND	68	75	41 - 133	11	19
Benzo[b]fluoranthene	0.0551	0.0630	0.0833	0.0833	ND	66	76	40 - 132	13	25
Benzo(j,k)fluoranthene	0.0546	0.0606	0.0833	0.0833	ND	66	73	35 - 132	10	25
Benzo[a]pyrene	0.0559	0.0632	0.0833	0.0833	ND	67	76	37 - 131	12	26
Indeno(1,2,3-c,d)pyrene	0.0578	0.0638	0.0833	0.0833	ND	69	77	39 - 134	10	23
Dibenz[a,h]anthracene	0.0590	0.0666	0.0833	0.0833	ND	71	80	40 - 137	12	21
Benzo[g,h,i]perylene	0.0588	0.0667	0.0833	0.0833	ND	71	80	35 - 135	13	22
<i>Surrogate:</i>										
2-Fluorobiphenyl						64	71	43 - 109		
Pyrene-d10						70	79	38 - 128		
Terphenyl-d14						68	78	33 - 119		

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

**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:	MB1228S1					
Aroclor 1016	ND	0.050	EPA 8082	12-28-11	12-28-11	
Aroclor 1221	ND	0.050	EPA 8082	12-28-11	12-28-11	
Aroclor 1232	ND	0.050	EPA 8082	12-28-11	12-28-11	
Aroclor 1242	ND	0.050	EPA 8082	12-28-11	12-28-11	
Aroclor 1248	ND	0.050	EPA 8082	12-28-11	12-28-11	
Aroclor 1254	ND	0.050	EPA 8082	12-28-11	12-28-11	
Aroclor 1260	ND	0.050	EPA 8082	12-28-11	12-28-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	78		42-123			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	12-170-20										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.403	0.356	0.500	0.500	ND	81	71	44-125	12	15	
<i>Surrogate:</i>											
DCB						85	78	42-123			

Date of Report: December 29, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098B
Project: 0180-292-00

**TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-28-11
Date Analyzed: 12-28-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1228S1&MB1228SM2

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

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-28-11
 Date Analyzed: 12-28-11

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: 12-098-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	39.4	44.1	11	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	29.3	28.8	2	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	

Date of Report: December 29, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-098B
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-28-11

Date Analyzed: 12-28-11

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 12-098-13

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	90.3	90	90.0	90	0	
Barium	100	133	94	132	92	1	
Cadmium	50.0	46.5	93	46.4	93	0	
Chromium	100	123	94	117	88	5	
Lead	250	224	90	223	89	1	
Mercury	0.500	0.506	101	0.485	97	4	
Selenium	100	90.2	90	90.8	91	1	
Silver	25.0	19.7	79	19.7	79	0	

Date of Report: December 29, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-098B
Project: 0180-292-00

% MOISTURE

Date Analyzed: 12-28-11

Client ID	Lab ID	% Moisture
DP-3-3-4	12-098-05	14
DP-4-5-6	12-098-08	22
DP-5-6-7	12-098-10	17
DP-6-3.5-4.5	12-098-13	15
DP-7-5-6	12-098-16	18
DP-8-2-3	12-098-18	12
DP-9-6-7	12-098-21	19



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-naphthalene) 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



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Chain of Custody

Turnaround Request
(in working days)

Laboratory Number: **12-098**

(Check One)

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)

_____ (other)

Company: GeoEngineers/WSNOT
 Project Number: 0180-292-00
 Project Name: Highway Metals
 Project Manager: Arnon Wagoner
 Sampled by: [Signature]

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	No. of Cont.	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 Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture		
1	DP-1-0-2	12/13/11	0920	Soil	5			X	X	X		X	X	X				X	X			X		
2	DP-1-7-8		0940																				X	
3	DP-1-13-15		0930					X	X	X		X	X	X				X	X				X	
4	DP-3-0-2		1055					X	X	X		X	X	X				X	X				X	
5	DP-3-3-4		1120						X														X	
6	DP-3-9-10		1140																					X
7	DP-4-6-2		1315					X	X	X		X	X	X				X	X				X	
8	DP-4-5-6		1325					X	X	X		X	X	X				X	X				X	
9	DP-5-0-2		1435					X	X	X		X	X	X				X	X				X	
10	DP-5-6-7		1445						X	X				X				X	X				X	

Signature: _____ Company: Geo Date: 12/14/11 Time: 1348 Comments/Special Instructions: Added 12/15/11 m. DB (STA)

Received: [Signature] Received: [Signature] Date: 12/14/11 Time: 171 Comments/Special Instructions: Added 12/28/11 1 day TA

Relinquished: [Signature] Relinquished: [Signature] Date: 12/14/11 Time: 1020

Received: [Signature] Received: [Signature] Date: 12/14/11 Time: 1020

Relinquished: [Signature] Relinquished: [Signature] Date: 12/14/11 Time: 1020

Received: [Signature] Received: [Signature] Date: 12/14/11 Time: 1020

Reviewed/Date: _____ Reviewed/Date: _____



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Chain of Custody

Turnaround Request
(in working days)

Laboratory Number:

12-098

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days) (TPH analysis 5 Days)

_____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	No. of Cont.	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 Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture	
11	DP-5-14-15	12/13/11	1455	Soil	5																		
12	DP-6-0-2		1542					X	X	X		X		X					X	X			X
13	DP-6-35-4.5		1550					X	X	X		X		X					X	X			X
14	DP-6-11.5-12.5		1600					X	X	X		X		X					X	X			X
												HOLD SVOCs										X HOLD	

Company:	Signature	Company	Date	Time	Comments/Special Instructions
Project Number: 0180-292-00	<i>[Signature]</i>	Geo	12/14/11	1340	Added 12/15/11 - DB (SM)
Project Name: Midway Metals	<i>[Signature]</i>	Geo	12-11-11	17-	Added 12/25/11 - 1 day TA
Project Manager: Aaron Blagovener	<i>[Signature]</i>	Geo	12-11-11	1620	
Sampled by: <i>[Signature]</i>	<i>[Signature]</i>	Geo	12/14/11	1020	
Received					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Reviewed/Date					



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Chain of Custody

Turnaround Request
(in working days)

Laboratory Number: **12-098**

(Check One)

- Same Day
- 1 Day
- 2 Days
- 3 Days
- Standard (7 Days) (TPH analysis 5 Days)

(other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	No. of Cont.	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 Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture
15	DP-7-0-2	12/14/11	0920	Soil	5			X	X	X				X				X				X
16	DP-7-5-6		0930					X	X	X				X				X				X
17	DP-8-0-2		1010					X	X	X				X				X				X
18	DP-8-2-3		1020					X						X				X				X
19	DP-8-8-9		1030					X						X				X				X
20	DP-9-0-2		1045					X	X	X				X				X				X
21	DP-9-6-7		1105					X						X				X				X
22	DP-10-0-2		1215					X	X	X				X				X				X
23	DP-10-6-7		1245					X						X				X				X
Signature		Company		Date		Time		Comments/Special Instructions														
Relinquished		Received		Relinquished		Received		<p>Added 12/15 M.D.B (STA)</p> <p>Added 12/28/11 Bq 1 day TA</p>														



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

February 24, 2012

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1202-085B

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on February 9, 2012.

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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: February 24, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085B
Project: 0180-292-00

Case Narrative

Sample was collected on February 9, 2012 and received by the laboratory on February 9, 2012. 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.

PAHs by EPA 8270D/SIM Analysis

Sample HA4-0.0-2.0 was extracted outside of the holding time.

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.

Date of Report: February 24, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-085B
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
HA4-0.0-2.0	02-085-31	Soil	2-9-12	2-9-12	

Date of Report: February 24, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085B
 Project: 0180-292-00

**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:	HA4-0.0-2.0					
Laboratory ID:	02-085-31					
Naphthalene	0.021	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
2-Methylnaphthalene	0.019	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
1-Methylnaphthalene	0.010	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Acenaphthylene	ND	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Acenaphthene	ND	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Fluorene	ND	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Phenanthrene	0.031	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Anthracene	ND	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Fluoranthene	0.036	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Pyrene	0.038	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[a]anthracene	0.013	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Chrysene	0.017	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[b]fluoranthene	0.018	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Benzo(j,k)fluoranthene	ND	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[a]pyrene	0.013	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Indeno(1,2,3-c,d)pyrene	0.013	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Dibenz[a,h]anthracene	ND	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[g,h,i]perylene	0.019	0.0084	EPA 8270/SIM	2-23-12	2-24-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>47</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>75</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>49</i>	<i>33 - 119</i>				

Date of Report: February 24, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085B
 Project: 0180-292-00

**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:	MB0223S1					
Naphthalene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Acenaphthene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Fluorene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Phenanthrene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Anthracene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Fluoranthene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Pyrene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Chrysene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	2-23-12	2-24-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>70</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>115</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>102</i>	<i>33 - 119</i>				

Date of Report: February 24, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-085B
 Project: 0180-292-00

**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	RPD	RPD	Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0223S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	0.0736	0.0781	0.0833	0.0833	88	94	43 - 108	6	27	
Acenaphthylene	0.0671	0.0701	0.0833	0.0833	81	84	52 - 120	4	21	
Acenaphthene	0.0615	0.0653	0.0833	0.0833	74	78	59 - 113	6	17	
Fluorene	0.0659	0.0720	0.0833	0.0833	79	86	64 - 117	9	14	
Phenanthrene	0.0613	0.0658	0.0833	0.0833	74	79	67 - 112	7	12	
Anthracene	0.0678	0.0728	0.0833	0.0833	81	87	59 - 110	7	16	
Fluoranthene	0.0790	0.0849	0.0833	0.0833	95	102	68 - 120	7	15	
Pyrene	0.0771	0.0819	0.0833	0.0833	93	98	66 - 121	6	17	
Benzo[a]anthracene	0.0734	0.0781	0.0833	0.0833	88	94	63 - 114	6	12	
Chrysene	0.0666	0.0708	0.0833	0.0833	80	85	67 - 118	6	12	
Benzo[b]fluoranthene	0.0645	0.0695	0.0833	0.0833	77	83	58 - 127	7	20	
Benzo(j,k)fluoranthene	0.0617	0.0670	0.0833	0.0833	74	80	42 - 134	8	26	
Benzo[a]pyrene	0.0675	0.0720	0.0833	0.0833	81	86	55 - 111	6	19	
Indeno(1,2,3-c,d)pyrene	0.0670	0.0718	0.0833	0.0833	80	86	60 - 125	7	20	
Dibenz[a,h]anthracene	0.0727	0.0771	0.0833	0.0833	87	93	62 - 125	6	19	
Benzo[g,h,i]perylene	0.0712	0.0757	0.0833	0.0833	85	91	61 - 124	6	19	
<i>Surrogate:</i>										
2-Fluorobiphenyl					71	75	43 - 109			
Pyrene-d10					113	121	38 - 128			
Terphenyl-d14					96	103	33 - 119			



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-naphthalene) 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



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Rush 4 Days
 Short Hold

Chain of
Custody Record

Client: Geotriggers Client Contact: Aaron Wegman Date: 2/9/12 Chain of Custody Number: 12706

Address: 1101 S. Everett Ave Ste 200 Telephone Number (Area Code): (253) 383 4940 Lab Number: _____ Page 1 of 3

City: Tacoma State: WA Zip Code: 98402 Sampler: Aaron Wegman Lab Contact: Daniel Boushies Billing Contact: _____

Project Name and Location (State): WSDOT Mukluhly Metals, Sequim, WA Contract/Purchase Order/Quote No.: 0180-292-00

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Analysis (Attach list if more space is needed)													
			Air	Aqueous	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	NWTPH-Dx w/ Silica Gel Cleanup	NWTPH-6x	VOCs Lowlevel	SVOCs Lowlevel	PAHs Lowlevel	Dissolved metals	Total metals	PCB	Hold	RCRAB Metals	HEX CHROME	TOXICANTS	
1 DP12-0.0-2.0	2/8/12	1100			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
2 DP13-0.0-1.05		1125			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
3 DP14-0.0-2.0		1155			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
4 DP15-0.0-2.0		1335			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
5 DP16-0.0-2.0		1355			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
6 DP17-0.0-2.0		1420			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
7 DP18-0.0-2.0		1520			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
8 DP19-0.0-2.0		1530			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
9 DP20-0.0-2.0		1540			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
10 DP21-0.0-2.0		1615			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
11 DP12-2.5-3.5		1105			X						X	X	X	X	X	X	X	X	X	X	X	X	X	
12 DP12-5.0-7.5		1110			X						X	X	X	X	X	X	X	X	X	X	X	X	X	

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (Business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____ QC Requirements (Specify): _____

1. Reinquished By Sign/Print: Aaron Wegman Date: 2/9/12 Time: 1630 1. Received By Sign/Print: MVDUN Date: 2/9/12 Time: 1636

2. Reinquished By Sign/Print: _____ Date: _____ Time: _____ 2. Received By Sign/Print: _____ Date: _____ Time: _____

WestAmenity

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Rush 4 days
 Short Hold

Chain of
Custody Record
02-085

Client: *Geotriggers*
Address: 1101 S. Fawcett Ave
City: *Tacoma*

Client Contact: *David Burmeister*
Telephone Number (Area Code): *(253) 3834940*

Date: 2/9/12
Lab Number

Chain of Custody Number: 12705
Page 2 of 3

Project Name and Location (State): *WSDOT Midway Metals Seguin WA*

Sampler: *Area 13/14*
Billing Contact: *David Burmeister*

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt: *02-085*

Contract/Purchase Order/Order No.: *0180-292-00*

Matrix: *Unpres. H2SO4 HNO3 HCl NaOH ZnAc/NaOH*

Containers & Preservatives: *None*

Analysis: *Asbestos*

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives	Analysis
13 DP12-7.5-8.5	2/8/12	11:15	X	5	None
14 DP13-5.0-7.0		11:35	X	5	None
15 DP13-8.0-1.0		11:40	X	5	None
16 DP14-2.0-3.0		12:15	X	5	None
17 DP14-5.0-7.0		12:30	X	5	None
18 DP15-2.0-3.0		13:20	X	5	None
19 DP15-5.0-7.0		13:30	X	5	None
20 DP16-2.0-3.0		14:00	X	5	None
21 DP16-5.0-7.0		14:10	X	5	None
22 DP17-2.0-3.0		14:35	X	5	None
23 DP17-5.0-7.0		14:40	X	5	None
24 DP18-2.0-3.0		15:25	X	5	None

Cooler: Yes No Cooler Temp: _____

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

Sample Disposal: Return To Client Disposal By Lab

(A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print: *David Burmeister* Date: 2/9/12 Time: 16:30

2. Relinquished By Sign/Print: *David Burmeister* Date: 2/9/12 Time: 16:30

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

TestAmerica

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Fax 253-922-5047
www.testamericainc.com

Rush 4 days
 Short Hold

Chain of
Custody Record

Client: Geo Engineers Client Contact: Aaron Vegoren Date: 2/9/12 Chain of Custody Number: 13614

Address: 1101 S. Faussett Ave. #200 Telephone Number (Area Code)/Fax Number: 253 383 4940 Lab Number: 3 of 3

City: Tacoma State: WA Zip Code: 98402 Billing Contact: Aaron Vegoren Lab Contact: David Bumsick Page: 3 of 3

Project Name and Location (State): WS DOT Midway Metals, Seattle, WA

Contract/Purchase Order/Quote No.: 0180-292-00

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)

Sample I.D. and Location/Description	Date	Time	Matrix	Containers & Preservatives	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
25 DP19-20-30	2/9/12	1535	X	5	NWTPH-Dx Cleanup	
26 DP20-20-30		1545	X	5	NWTPH-6x	
27 DP21-20-30		1620	X	5	VOCs low level	
28 HA1-0.0-2.0	2/9/12	1105	X	1	PAHs low level	
29 HA2-0.0-2.0	2/9/12	1115	X	1	SVOCs low level	
30 HA3-0.0-2.0	2/9/12	1120	X	1	RCRA 8 metals	
31 HA4-0.0-2.0	2/9/12	1130	X	1	Disolved RCRA 8 metals	
32 SED9	2/9/12	1040	X	1	Total RCRA 8 metals	

Added 2/23/12 08
(1 day TAT)

Added 2/6/12 4:55pm
(1 day TAT)

Cooler: Yes No Cooler Temp: _____

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Archive For _____ Months Disposal By Lab

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

(A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print: [Signature] Date: 2/9/12 Time: 1630 Received By Sign/Print: [Signature] Date: 2/8/12 Time: 1630

2. Relinquished By Sign/Print: [Signature] Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

Comments: _____



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 23, 2011

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1112-099

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 14, 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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-099
Project: 0180-292-00

Case Narrative

Samples were collected on December 13, 2011 and received by the laboratory on December 14, 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 and 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.

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-099
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SW2	12-099-01	Water	12-13-11	12-14-11	
SED3	12-099-03	Soil	12-13-11	12-14-11	
SED4	12-099-04	Soil	12-13-11	12-14-11	
SED5	12-099-05	Soil	12-13-11	12-14-11	
SED6	12-099-06	Soil	12-13-11	12-14-11	
SED7	12-099-07	Soil	12-13-11	12-14-11	
SED8	12-099-08	Soil	12-13-11	12-14-11	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-099
Project: 0180-292-00

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW2					
Laboratory ID:	12-099-01					
Gasoline	ND	100	NWTPH-Gx	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	73-121				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED3					
Laboratory ID:	12-099-03					
Gasoline	ND	9.0	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	68-124				
Client ID:	SED4					
Laboratory ID:	12-099-04					
Gasoline	ND	9.6	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	68-124				
Client ID:	SED5					
Laboratory ID:	12-099-05					
Gasoline	ND	7.6	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	68-124				
Client ID:	SED6					
Laboratory ID:	12-099-06					
Gasoline	ND	9.6	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	104	68-124				
Client ID:	SED7					
Laboratory ID:	12-099-07					
Gasoline	ND	5.3	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	68-124				
Client ID:	SED8					
Laboratory ID:	12-099-08					
Gasoline	ND	8.0	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	68-124				

Date of Report: December 23, 2011
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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:	SW2					
Laboratory ID:	12-099-01					
Diesel Range Organics	ND	0.29	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	0.46	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>71</i>	<i>50-150</i>				

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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:	SED3					
Laboratory ID:	12-099-03					
Diesel Range Organics	ND	38	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	77	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				
Client ID:	SED4					
Laboratory ID:	12-099-04					
Diesel Range Organics	ND	40	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil	270	79	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				
Client ID:	SED5					
Laboratory ID:	12-099-05					
Diesel Range Organics	ND	120	NWTPH-Dx	12-19-11	12-19-11	U1
Lube Oil	950	66	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				
Client ID:	SED6					
Laboratory ID:	12-099-06					
Diesel Range Organics	ND	37	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	75	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				
Client ID:	SED7					
Laboratory ID:	12-099-07					
Diesel Range Organics	ND	28	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	57	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				
Client ID:	SED8					
Laboratory ID:	12-099-08					
Diesel Range Organics	ND	33	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	65	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW2					
Laboratory ID:	12-099-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Acetone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	2.0	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Toluene	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW2					
Laboratory ID:	12-099-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.40	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	1.0	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>84</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>84</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>86</i>	<i>65-120</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED3					
Laboratory ID:	12-099-03					
Dichlorodifluoromethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0064	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0064	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0064	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260	12-15-11	12-15-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED3					
Laboratory ID:	12-099-03					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0026	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0064	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	63-127				
<i>Toluene-d8</i>	97	65-129				
<i>4-Bromofluorobenzene</i>	90	55-121				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED4					
Laboratory ID:	12-099-04					
Dichlorodifluoromethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0089	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0089	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0089	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0089	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0018	EPA 8260	12-15-11	12-15-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED4					
Laboratory ID:	12-099-04					
1,1,2-Trichloroethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0036	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0018	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0089	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0089	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0018	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>89</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>74</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED5					
Laboratory ID:	12-099-05					
Dichlorodifluoromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0068	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0068	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0068	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED5					
Laboratory ID:	12-099-05					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0027	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0068	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0068	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>87</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>91</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>74</i>	<i>55-121</i>				

Date of Report: December 23, 2011
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED6					
Laboratory ID:	12-099-06					
Dichlorodifluoromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0069	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0069	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0069	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0069	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED6					
Laboratory ID:	12-099-06					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0027	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>84</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>87</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>72</i>	<i>55-121</i>				

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED7					
Laboratory ID:	12-099-07					
Dichlorodifluoromethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0049	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0049	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0049	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260	12-15-11	12-15-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED7					
Laboratory ID:	12-099-07					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0019	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0049	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>55-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED8					
Laboratory ID:	12-099-08					
Dichlorodifluoromethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0059	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0059	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0059	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260	12-15-11	12-15-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED8					
Laboratory ID:	12-099-08					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0024	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0059	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>82</i>	<i>55-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

SEMIVOLATILES by EPA 8270/SIM
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW2					
Laboratory ID:	12-099-01					
n-Nitrosodimethylamine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Pyridine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Phenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
Aniline	ND	4.8	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Chlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,3-Dichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,4-Dichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Benzyl alcohol	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2-Dichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270	12-16-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270	12-16-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Hexachloroethane	ND	0.95	EPA 8270	12-16-11	12-20-11	
Nitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Isophorone	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Nitrophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4-Dimethylphenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4-Dichlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Naphthalene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
4-Chloroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
Hexachlorobutadiene	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Methylnaphthalene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,3-Dichloroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Chloronaphthalene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Nitroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,4-Dinitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Dimethylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,3-Dinitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,6-Dinitrotoluene	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2-Dinitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Acenaphthylene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
3-Nitroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	

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 Project: 0180-292-00

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW2					
Laboratory ID:	12-099-01					
2,4-Dinitrophenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
Acenaphthene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
4-Nitrophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4-Dinitrotoluene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Dibenzofuran	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
Diethylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Nitroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
Fluorene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270	12-16-11	12-20-11	
Hexachlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Pentachlorophenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
Phenanthrene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Carbazole	ND	0.95	EPA 8270	12-16-11	12-20-11	
Di-n-butylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
Fluoranthene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Benzidine	ND	4.8	EPA 8270	12-16-11	12-20-11	
Pyrene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Butylbenzylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270	12-16-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Benzo[a]anthracene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
bis(2-Ethylhexyl)phthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
Di-n-octylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	32	18 - 86				
Phenol-d6	23	10 - 88				
Nitrobenzene-d5	51	37 - 112				
2-Fluorobiphenyl	66	42 - 108				
2,4,6-Tribromophenol	79	39 - 118				
Terphenyl-d14	61	49 - 122				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED5					
Laboratory ID:	12-099-05					
n-Nitrosodimethylamine	ND	0.22	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	2.2	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.22	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.22	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.22	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.22	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.22	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.22	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.22	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.22	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	2.2	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
Naphthalene	0.093	0.044	EPA 8270/SIM	12-19-11	12-20-11	
4-Chloroaniline	ND	0.22	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.22	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	0.094	0.044	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Hexachlorocyclopentadiene	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.22	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	0.061	0.044	EPA 8270/SIM	12-19-11	12-20-11	
3-Nitroaniline	ND	0.22	EPA 8270	12-19-11	12-20-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED5					
Laboratory ID:	12-099-05					
2,4-Dinitrophenol	ND	1.1	EPA 8270	12-19-11	12-20-11	
Acenaphthene	ND	0.044	EPA 8270/SIM	12-19-11	12-20-11	
4-Nitrophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.22	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.22	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	1.1	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.22	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.22	EPA 8270	12-19-11	12-20-11	
Fluorene	ND	0.044	EPA 8270/SIM	12-19-11	12-20-11	
4,6-Dinitro-2-methylphenol	ND	1.1	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.22	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.22	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.22	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.22	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	1.1	EPA 8270	12-19-11	12-20-11	
Phenanthrene	0.19	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	0.078	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Carbazole	ND	0.22	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	2.2	EPA 8270	12-19-11	12-20-11	
Fluoranthene	0.30	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Benzidine	ND	2.2	EPA 8270	12-19-11	12-20-11	
Pyrene	0.29	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Butylbenzylphthalate	ND	2.2	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	1.1	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	2.2	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	0.16	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.20	0.044	EPA 8270/SIM	12-19-11	12-20-11	
bis(2-Ethylhexyl)phthalate	ND	1.1	EPA 8270	12-19-11	12-20-11	
Di-n-octylphthalate	ND	0.22	EPA 8270	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.33	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	0.11	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	0.27	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Indeno[1,2,3-cd]pyrene	0.20	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	0.049	0.044	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	0.23	0.044	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	67	30 - 97				
Phenol-d6	72	40 - 104				
Nitrobenzene-d5	64	35 - 102				
2-Fluorobiphenyl	95	44 - 97				
2,4,6-Tribromophenol	136	41 - 110				
Terphenyl-d14	84	53 - 107				

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Matrix: Soil
 Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED6					
Laboratory ID:	12-099-06					
n-Nitrosodimethylamine	ND	0.050	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	0.50	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.050	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.050	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	0.064	0.050	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.050	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.050	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.050	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.050	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.050	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	0.50	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
Naphthalene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
4-Chloroaniline	ND	0.050	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.050	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Hexachlorocyclopentadiene	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.050	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
3-Nitroaniline	ND	0.050	EPA 8270	12-19-11	12-20-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED6					
Laboratory ID:	12-099-06					
2,4-Dinitrophenol	ND	0.25	EPA 8270	12-19-11	12-20-11	
Acenaphthene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
4-Nitrophenol	0.13	0.050	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.050	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.050	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	0.25	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.050	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.050	EPA 8270	12-19-11	12-20-11	
Fluorene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
4,6-Dinitro-2-methylphenol	ND	0.25	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.050	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.050	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.050	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.050	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	0.25	EPA 8270	12-19-11	12-20-11	
Phenanthrene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Carbazole	ND	0.050	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	0.50	EPA 8270	12-19-11	12-20-11	
Fluoranthene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Benzidine	ND	0.50	EPA 8270	12-19-11	12-20-11	
Pyrene	0.093	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Butylbenzylphthalate	ND	0.50	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	0.25	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.50	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
bis(2-Ethylhexyl)phthalate	ND	0.25	EPA 8270	12-19-11	12-20-11	
Di-n-octylphthalate	ND	0.050	EPA 8270	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Indeno[1,2,3-cd]pyrene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.050	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	61	30 - 97				
Phenol-d6	59	40 - 104				
Nitrobenzene-d5	56	35 - 102				
2-Fluorobiphenyl	70	44 - 97				
2,4,6-Tribromophenol	100	41 - 110				
Terphenyl-d14	66	53 - 107				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**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:	SED3					
Laboratory ID:	12-099-03					
Naphthalene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>54</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>60</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>53</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**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:	SED4					
Laboratory ID:	12-099-04					
Naphthalene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.011	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>81</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>91</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>92</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**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:	SED7					
Laboratory ID:	12-099-07					
Naphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.0075	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>64</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>76</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>74</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**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:	SED8					
Laboratory ID:	12-099-08					
Naphthalene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	ND	0.0087	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>60</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>67</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>65</i>	<i>33 - 119</i>				

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PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW2					
Laboratory ID:	12-099-01					
Aroclor 1016	ND	0.048	EPA 8082	12-16-11	12-16-11	
Aroclor 1221	ND	0.048	EPA 8082	12-16-11	12-16-11	
Aroclor 1232	ND	0.048	EPA 8082	12-16-11	12-16-11	
Aroclor 1242	ND	0.048	EPA 8082	12-16-11	12-16-11	
Aroclor 1248	ND	0.048	EPA 8082	12-16-11	12-16-11	
Aroclor 1254	ND	0.048	EPA 8082	12-16-11	12-16-11	
Aroclor 1260	ND	0.048	EPA 8082	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>80</i>	<i>36-127</i>				

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 Project: 0180-292-00

PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED3					
Laboratory ID:	12-099-03					
Aroclor 1016	ND	0.076	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.076	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.076	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.076	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.076	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	ND	0.076	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.076	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	73	42-123				
Client ID:	SED4					
Laboratory ID:	12-099-04					
Aroclor 1016	ND	0.079	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.079	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.079	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.079	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.079	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	ND	0.079	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.079	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	79	42-123				
Client ID:	SED5					
Laboratory ID:	12-099-05					
Aroclor 1016	ND	0.066	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.066	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.066	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.066	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.066	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	0.16	0.066	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.066	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	85	42-123				

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PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED6					
Laboratory ID:	12-099-06					
Aroclor 1016	ND	0.075	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.075	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.075	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.075	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.075	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	ND	0.075	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.075	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	75	42-123				
Client ID:	SED7					
Laboratory ID:	12-099-07					
Aroclor 1016	ND	0.057	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.057	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.057	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.057	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.057	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	ND	0.057	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.057	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	79	42-123				
Client ID:	SED8					
Laboratory ID:	12-099-08					
Aroclor 1016	ND	0.065	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.065	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.065	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.065	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.065	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	ND	0.065	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.065	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	82	42-123				

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**TOTAL METALS
 EPA 200.8/7470A**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	12-099-01					
Client ID:	SW2					
Arsenic	ND	3.3	200.8	12-16-11	12-16-11	
Barium	31	28	200.8	12-16-11	12-16-11	
Cadmium	ND	4.4	200.8	12-16-11	12-16-11	
Chromium	ND	11	200.8	12-16-11	12-16-11	
Lead	4.0	1.1	200.8	12-16-11	12-16-11	
Mercury	ND	0.50	7470A	12-16-11	12-16-11	
Selenium	ND	5.6	200.8	12-16-11	12-16-11	
Silver	ND	11	200.8	12-16-11	12-16-11	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-099-01					
Client ID:	SW2					
Arsenic	ND	3.0	200.8	12-14-11	12-15-11	
Barium	ND	25	200.8	12-14-11	12-15-11	
Cadmium	ND	4.0	200.8	12-14-11	12-15-11	
Chromium	ND	10	200.8	12-14-11	12-15-11	
Lead	1.4	1.0	200.8	12-14-11	12-15-11	
Mercury	ND	0.50	7470A	12-14-11	12-20-11	
Selenium	ND	5.0	200.8	12-14-11	12-15-11	
Silver	ND	10	200.8	12-14-11	12-15-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-099-03					
Client ID:	SED3					
Arsenic	ND	15	6010B	12-19-11	12-19-11	
Barium	64	3.8	6010B	12-19-11	12-19-11	
Cadmium	ND	0.76	6010B	12-19-11	12-19-11	
Chromium	41	0.76	6010B	12-19-11	12-19-11	
Lead	ND	7.6	6010B	12-19-11	12-19-11	
Mercury	ND	0.38	7471A	12-19-11	12-19-11	
Selenium	ND	15	6010B	12-19-11	12-19-11	
Silver	ND	0.76	6010B	12-19-11	12-19-11	

Lab ID:	12-099-04					
Client ID:	SED4					
Arsenic	ND	16	6010B	12-19-11	12-19-11	
Barium	88	4.0	6010B	12-19-11	12-19-11	
Cadmium	ND	0.79	6010B	12-19-11	12-19-11	
Chromium	48	0.79	6010B	12-19-11	12-19-11	
Lead	39	7.9	6010B	12-19-11	12-19-11	
Mercury	ND	0.4	7471A	12-19-11	12-19-11	
Selenium	ND	16	6010B	12-19-11	12-19-11	
Silver	ND	0.79	6010B	12-19-11	12-19-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-099-05					
Client ID:	SED5					
Arsenic	ND	13	6010B	12-19-11	12-19-11	
Barium	75	3.3	6010B	12-19-11	12-19-11	
Cadmium	0.89	0.66	6010B	12-19-11	12-19-11	
Chromium	57	0.66	6010B	12-19-11	12-19-11	
Lead	120	6.6	6010B	12-19-11	12-19-11	
Mercury	ND	0.33	7471A	12-19-11	12-19-11	
Selenium	ND	13	6010B	12-19-11	12-19-11	
Silver	ND	0.66	6010B	12-19-11	12-19-11	

Lab ID:	12-099-06					
Client ID:	SED6					
Arsenic	ND	15	6010B	12-19-11	12-19-11	
Barium	100	3.7	6010B	12-19-11	12-19-11	
Cadmium	0.90	0.75	6010B	12-19-11	12-19-11	
Chromium	37	0.75	6010B	12-19-11	12-19-11	
Lead	13	7.5	6010B	12-19-11	12-19-11	
Mercury	ND	0.37	7471A	12-19-11	12-19-11	
Selenium	ND	15	6010B	12-19-11	12-19-11	
Silver	ND	0.75	6010B	12-19-11	12-19-11	

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**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-099-07					
Client ID:	SED7					
Arsenic	ND	11	6010B	12-19-11	12-19-11	
Barium	41	2.8	6010B	12-19-11	12-19-11	
Cadmium	ND	0.57	6010B	12-19-11	12-19-11	
Chromium	30	0.57	6010B	12-19-11	12-19-11	
Lead	ND	5.7	6010B	12-19-11	12-19-11	
Mercury	ND	0.28	7471A	12-19-11	12-19-11	
Selenium	ND	11	6010B	12-19-11	12-19-11	
Silver	ND	0.57	6010B	12-19-11	12-19-11	

Lab ID:	12-099-08					
Client ID:	SED8					
Arsenic	ND	13	6010B	12-19-11	12-19-11	
Barium	78	3.3	6010B	12-19-11	12-19-11	
Cadmium	ND	0.65	6010B	12-19-11	12-19-11	
Chromium	29	0.65	6010B	12-19-11	12-19-11	
Lead	ND	6.5	6010B	12-19-11	12-19-11	
Mercury	ND	0.33	7471A	12-19-11	12-19-11	
Selenium	ND	13	6010B	12-19-11	12-19-11	
Silver	ND	0.65	6010B	12-19-11	12-19-11	

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**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1215W2					
Gasoline	ND	100	NWTPH-Gx	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	90	73-121				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-100-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
Fluorobenzene				91	90	73-121		

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**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1216S2					
Gasoline	ND	5.0	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	87	68-124				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-100-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
Fluorobenzene				102	106	68-124		

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**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:	MB1219S1					
Diesel Range Organics	ND	25	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	50	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>120</i>	<i>50-150</i>				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-110-01					
	ORIG	DUP				
Diesel Range Organics	ND	ND			NA	NA
Lube Oil Range Organics	ND	ND			NA	NA
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			109	114	50-150	

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**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:	MB1221W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>101</i>	<i>50-150</i>				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-105-02					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			<i>100 105</i>	<i>50-150</i>		

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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:	MB1215W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Acetone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	2.0	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Toluene	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1215W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.40	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	1.0	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>85</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>90</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>65-120</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB1215W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.0	10.4	10.0	10.0	110	104	70-130	6	11	
Benzene	9.09	8.95	10.0	10.0	91	90	75-123	2	8	
Trichloroethene	10.1	10.3	10.0	10.0	101	103	80-113	2	9	
Toluene	9.74	9.71	10.0	10.0	97	97	80-113	0	8	
Chlorobenzene	10.8	10.5	10.0	10.0	108	105	80-111	3	8	
<i>Surrogate:</i>										
Dibromofluoromethane					77	77	68-120			
Toluene-d8					82	85	73-120			
4-Bromofluorobenzene					79	85	65-120			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

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:	MB1215S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0050	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0050	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0050	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-15-11	12-15-11	

Date of Report: December 23, 2011
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1215S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0020	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	63-127				
<i>Toluene-d8</i>	98	65-129				
<i>4-Bromofluorobenzene</i>	96	55-121				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB1215S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0573	0.0584	0.0500	0.0500	115	117	70-130	2	19	
Benzene	0.0499	0.0504	0.0500	0.0500	100	101	70-125	1	15	
Trichloroethene	0.0474	0.0476	0.0500	0.0500	95	95	70-122	0	14	
Toluene	0.0493	0.0495	0.0500	0.0500	99	99	73-120	0	16	
Chlorobenzene	0.0451	0.0451	0.0500	0.0500	90	90	74-109	0	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					<i>85</i>	<i>84</i>	<i>63-127</i>			
<i>Toluene-d8</i>					<i>94</i>	<i>90</i>	<i>65-129</i>			
<i>4-Bromofluorobenzene</i>					<i>91</i>	<i>84</i>	<i>55-121</i>			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

**SEMIVOLATILES by EPA 8270D/SIM
 METHOD BLANK QUALITY CONTROL**

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1216W2					
n-Nitrosodimethylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Pyridine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Phenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
Aniline	ND	5.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Chlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,3-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,4-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzyl alcohol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270	12-16-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270	12-16-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachloroethane	ND	1.0	EPA 8270	12-16-11	12-20-11	
Nitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Isophorone	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Nitrophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dimethylphenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Naphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4-Chloroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachlorobutadiene	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3-Dichloroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Chloronaphthalene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,4-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Dimethylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,3-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,6-Dinitrotoluene	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Acenaphthylene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
3-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	

Date of Report: December 23, 2011
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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:	MB1216W2					
2,4-Dinitrophenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
Acenaphthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4-Nitrophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dinitrotoluene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Dibenzofuran	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
Diethylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
Fluorene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Pentachlorophenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
Phenanthrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Carbazole	ND	1.0	EPA 8270	12-16-11	12-20-11	
Di-n-butylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Fluoranthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Benzidine	ND	5.0	EPA 8270	12-16-11	12-20-11	
Pyrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Butylbenzylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270	12-16-11	12-20-11	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
bis(2-Ethylhexyl)phthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Di-n-octylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>57</i>	<i>18 - 86</i>				
<i>Phenol-d6</i>	<i>41</i>	<i>10 - 88</i>				
<i>Nitrobenzene-d5</i>	<i>76</i>	<i>37 - 112</i>				
<i>2-Fluorobiphenyl</i>	<i>92</i>	<i>42 - 108</i>				
<i>2,4,6-Tribromophenol</i>	<i>108</i>	<i>39 - 118</i>				
<i>Terphenyl-d14</i>	<i>83</i>	<i>49 - 122</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**SEMIVOLATILES by EPA 8270D/SIM
 SB/SBD QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB1216W2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	15.5	13.3	40.0	40.0	39	33	26 - 60	15	29	
2-Chlorophenol	29.6	24.4	40.0	40.0	74	61	46 - 104	19	34	
1,4-Dichlorobenzene	13.0	10.6	20.0	20.0	65	53	46 - 92	20	29	
n-Nitroso-di-n-propylamine	12.1	10.2	20.0	20.0	61	51	30 - 102	17	25	
1,2,4-Trichlorobenzene	18.3	15.4	20.0	20.0	92	77	45 - 92	17	25	
4-Chloro-3-methylphenol	34.4	32.1	40.0	40.0	86	80	53 - 104	7	18	
Acenaphthene	16.0	14.6	20.0	20.0	80	73	57 - 95	9	15	
4-Nitrophenol	22.4	20.8	40.0	40.0	56	52	21 - 75	7	33	
2,4-Dinitrotoluene	21.4	20.3	20.0	20.0	107	102	60 - 108	5	20	
Pentachlorophenol	26.3	25.2	40.0	40.0	66	63	48 - 119	4	31	
Pyrene	13.8	13.3	20.0	20.0	69	67	62 - 111	4	19	
<i>Surrogate:</i>										
2-Fluorophenol					58	46	18 - 86			
Phenol-d6					42	34	10 - 88			
Nitrobenzene-d5					73	61	37 - 112			
2-Fluorobiphenyl					90	79	42 - 108			
2,4,6-Tribromophenol					103	100	39 - 118			
Terphenyl-d14					80	78	49 - 122			

Date of Report: December 23, 2011
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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:	MB1219S2					
n-Nitrosodimethylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
Pyridine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Phenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
Aniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Chlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,3-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,4-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Benzyl alcohol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Dichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270	12-19-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270	12-19-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachloroethane	ND	0.033	EPA 8270	12-19-11	12-20-11	
Nitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Isophorone	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Nitrophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dimethylphenol	ND	0.33	EPA 8270	12-19-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Naphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4-Chloroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachlorobutadiene	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3-Dichloroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Chloronaphthalene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,4-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Dimethylphthalate	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,3-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,6-Dinitrotoluene	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Dinitrobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
3-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	

Date of Report: December 23, 2011
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SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1219S2					
2,4-Dinitrophenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4-Nitrophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,4-Dinitrotoluene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Dibenzofuran	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270	12-19-11	12-20-11	
Diethylphthalate	ND	0.17	EPA 8270	12-19-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Nitroaniline	ND	0.033	EPA 8270	12-19-11	12-20-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270	12-19-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270	12-19-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270	12-19-11	12-20-11	
Hexachlorobenzene	ND	0.033	EPA 8270	12-19-11	12-20-11	
Pentachlorophenol	ND	0.17	EPA 8270	12-19-11	12-20-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Carbazole	ND	0.033	EPA 8270	12-19-11	12-20-11	
Di-n-butylphthalate	ND	0.33	EPA 8270	12-19-11	12-20-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzidine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Butylbenzylphthalate	ND	0.33	EPA 8270	12-19-11	12-20-11	
bis-2-Ethylhexyladipate	ND	0.17	EPA 8270	12-19-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.33	EPA 8270	12-19-11	12-20-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
bis(2-Ethylhexyl)phthalate	ND	0.17	EPA 8270	12-19-11	12-20-11	
Di-n-octylphthalate	ND	0.033	EPA 8270	12-19-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>85</i>	<i>30 - 97</i>				
<i>Phenol-d6</i>	<i>80</i>	<i>40 - 104</i>				
<i>Nitrobenzene-d5</i>	<i>74</i>	<i>35 - 102</i>				
<i>2-Fluorobiphenyl</i>	<i>92</i>	<i>44 - 97</i>				
<i>2,4,6-Tribromophenol</i>	<i>103</i>	<i>41 - 110</i>				
<i>Terphenyl-d14</i>	<i>79</i>	<i>53 - 107</i>				

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**SEMIVOLATILES by EPA 8270D/SIM
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB1219S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	0.925	0.950	1.33	1.33	70	71	31 - 111	3	34	
2-Chlorophenol	1.04	1.06	1.33	1.33	78	80	29 - 112	2	37	
1,4-Dichlorobenzene	0.522	0.528	0.667	0.667	78	79	24 - 100	1	37	
n-Nitroso-di-n-propylamine	0.396	0.405	0.667	0.667	59	61	35 - 104	2	32	
1,2,4-Trichlorobenzene	0.685	0.713	0.667	0.667	103	107	29 - 110	4	35	
4-Chloro-3-methylphenol	1.13	1.19	1.33	1.33	85	89	53 - 104	5	25	
Acenaphthene	0.544	0.563	0.667	0.667	82	84	50 - 95	3	23	
4-Nitrophenol	1.22	1.30	1.33	1.33	92	98	42 - 126	6	30	
2,4-Dinitrotoluene	0.722	0.749	0.667	0.667	108	112	53 - 115	4	31	
Pentachlorophenol	0.939	1.03	1.33	1.33	71	77	50 - 116	9	30	
Pyrene	0.446	0.468	0.667	0.667	67	70	57 - 120	5	27	
<i>Surrogate:</i>										
2-Fluorophenol					83	82	30 - 97			
Phenol-d6					76	78	40 - 104			
Nitrobenzene-d5					72	74	35 - 102			
2-Fluorobiphenyl					91	91	44 - 97			
2,4,6-Tribromophenol					105	111	41 - 110			
Terphenyl-d14					78	82	53 - 107			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**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:	MB1219S1					
Naphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>75</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>85</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>77</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**PAHs by EPA 8270D/SIM
 MS/MSD QUALITY CONTROL
 (with silica gel clean-up)**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	MS	MSD	MS	MSD	Result	Recovery	Limits	RPD	Limit		
MATRIX SPIKES											
Laboratory ID:	12-110-03										
Naphthalene	0.0546	0.0593	0.0833	0.0833	ND	66	71	39 - 110	8	21	
Acenaphthylene	0.0530	0.0593	0.0833	0.0833	ND	64	71	47 - 124	11	21	
Acenaphthene	0.0489	0.0560	0.0833	0.0833	ND	59	67	50 - 120	14	20	
Fluorene	0.0487	0.0568	0.0833	0.0833	ND	58	68	52 - 126	15	21	
Phenanthrene	0.0478	0.0551	0.0833	0.0833	ND	57	66	41 - 130	14	22	
Anthracene	0.0473	0.0554	0.0833	0.0833	ND	57	67	48 - 124	16	23	
Fluoranthene	0.0495	0.0581	0.0833	0.0833	ND	59	70	40 - 137	16	23	
Pyrene	0.0487	0.0579	0.0833	0.0833	ND	58	70	36 - 139	17	23	
Benzo[a]anthracene	0.0496	0.0593	0.0833	0.0833	ND	60	71	43 - 127	18	21	
Chrysene	0.0476	0.0570	0.0833	0.0833	ND	57	68	41 - 133	18	19	
Benzo[b]fluoranthene	0.0452	0.0555	0.0833	0.0833	ND	54	67	40 - 132	20	25	
Benzo(j,k)fluoranthene	0.0436	0.0526	0.0833	0.0833	ND	52	63	35 - 132	19	25	
Benzo[a]pyrene	0.0471	0.0563	0.0833	0.0833	ND	57	68	37 - 131	18	26	
Indeno(1,2,3-c,d)pyrene	0.0444	0.0541	0.0833	0.0833	ND	53	65	39 - 134	20	23	
Dibenz[a,h]anthracene	0.0457	0.0553	0.0833	0.0833	ND	55	66	40 - 137	19	21	
Benzo[g,h,i]perylene	0.0456	0.0550	0.0833	0.0833	ND	55	66	35 - 135	19	22	
<i>Surrogate:</i>											
2-Fluorobiphenyl						54	60	43 - 109			
Pyrene-d10						56	67	38 - 128			
Terphenyl-d14						53	63	33 - 119			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**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:	MB1216W1					
Aroclor 1016	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1221	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1232	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1242	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1248	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1254	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1260	ND	0.050	EPA 8082	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	78		36-127			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1216W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.387	0.430	0.500	0.500	N/A	77	86	57-122	11	11	
<i>Surrogate:</i>											
DCB						80	85	36-127			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**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:	MB1215S1					
Aroclor 1016	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.050	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	91		42-123			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	12-099-07										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.534	0.460	0.500	0.500	ND	107	92	44-125	15	15	
<i>Surrogate:</i>											
DCB						96	83	42-123			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11
 Matrix: Water
 Units: ug/L (ppb)
 Lab ID: MB1216WM1&MB1216W1

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

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

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	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11
 Matrix: Water
 Units: ug/L (ppb)
 Lab ID: 12-091-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	111	108	97	109	98	1	
Barium	111	113	102	115	104	1	
Cadmium	111	105	95	106	95	1	
Chromium	111	113	102	113	102	0	
Lead	111	111	100	111	100	0	
Mercury	12.5	12.0	96	12.2	97	2	
Selenium	111	101	91	105	94	3	
Silver	111	100	90	103	92	3	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-099
Project: 0180-292-00

**DISSOLVED METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL**

Date Filtered: 12-14-11
Date Analyzed: 12-15&20-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1214F1

Analyte	Method	Result	PQL
Arsenic	200.8	ND	3.0
Barium	200.8	ND	25
Cadmium	200.8	ND	4.0
Chromium	200.8	ND	10
Lead	200.8	ND	1.0
Mercury	7470A	ND	0.50
Selenium	200.8	ND	5.0
Silver	200.8	ND	10

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 DUPLICATE QUALITY CONTROL**

Date Filtered: 12-14-11
 Date Analyzed: 12-15&20-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	3.0	
Barium	ND	ND	NA	25	
Cadmium	ND	ND	NA	4.0	
Chromium	ND	ND	NA	10	
Lead	ND	ND	NA	1.0	
Mercury	ND	ND	NA	0.50	
Selenium	ND	ND	NA	5.0	
Silver	ND	ND	NA	10	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 MS/MSD QUALITY CONTROL**

Date Filtered: 12-14-11
 Date Analyzed: 12-15&20-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	209	105	205	102	2	
Barium	200	205	102	207	104	1	
Cadmium	200	207	104	204	102	2	
Chromium	200	188	94	188	94	0	
Lead	200	201	101	195	98	3	
Mercury	12.5	12.2	98	12.1	97	1	
Selenium	200	209	104	210	105	1	
Silver	200	180	90	181	91	1	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-099
Project: 0180-292-00

**TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-19-11
Date Analyzed: 12-19-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1219SM1&MB1219S1

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

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-19-11

Date Analyzed: 12-19-11

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 12-098-17

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	42.3	47.4	11	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	26.3	27.9	6	0.50	
Lead	21.6	22.6	5	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	0.50	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-099
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-19-11

Date Analyzed: 12-19-11

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 12-098-17

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	88.7	89	89.0	89	0	
Barium	100	142	100	140	97	2	
Cadmium	50.0	47.0	94	47.2	94	0	
Chromium	100	119	92	121	94	2	
Lead	250	253	93	241	88	5	
Mercury	0.500	0.512	102	0.490	98	4	
Selenium	100	91.6	92	92.3	92	1	
Silver	25.0	21.0	84	21.1	84	0	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-099
Project: 0180-292-00

% MOISTURE

Date Analyzed: 12-15-11

Client ID	Lab ID	% Moisture
SED3	12-099-03	35
SED4	12-099-04	37
SED5	12-099-05	25
SED6	12-099-06	33
SED7	12-099-07	12
SED8	12-099-08	24



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-naphthalene) 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



Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

Laboratory Number:

12-099

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days) (TPH analysis 5 Days)

_____ (other)

Company: **GeoEngineers**

Project Number: **0180-262-00**

Project Name: **WSDOT-Midway metals**

Project Manager: **Alex Wagsner**

Sampled by: **SCD**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	No. of Cont.
1	SW2	12/13/11	1310	W	13
2	SEDD2		1335	S	5
3	SEDD3		1405	S	
4	SEDD4		1415	S	
5	SEDD5		1430	S	
6	SEDD6		1515	S	
7	SEDD7		1535	S	
8	SEDD8		1550	S	

Signature	Company	Date	Time	Comments/Special Instructions
	Geo	12/14/11	1340	● Added 12 hrs m. DB (STA)
	Geo	12-14-11	1415	
	Geo	12-14	1620	
	Geo	12/14/11	1620	

Turnaround Request (in working days)	Laboratory Number:	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8280B	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 Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture
	12-099																	
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 23, 2011

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1112-100

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 14, 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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-100
Project: 0180-292-00

Case Narrative

Samples were collected on December 13, 2011 and received by the laboratory on December 14, 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 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.

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-100
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP1-W	12-100-01	Water	12-13-11	12-14-11	
SW1	12-100-02	Water	12-13-11	12-14-11	
SED1	12-100-03	Soil	12-13-11	12-14-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP1-W					
Laboratory ID:	12-100-01					
Gasoline	ND	100	NWTPH-Gx	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	73-121				
Client ID:	SW1					
Laboratory ID:	12-100-02					
Gasoline	ND	100	NWTPH-Gx	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	73-121				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED1					
Laboratory ID:	12-100-03					
Gasoline	ND	7.5	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>102</i>	<i>68-124</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

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:	DP1-W					
Laboratory ID:	12-100-01					
Diesel Range Organics	ND	0.27	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	0.43	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
Client ID:	SW1					
Laboratory ID:	12-100-02					
Diesel Range Organics	ND	0.29	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	0.47	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

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:	SED1					
Laboratory ID:	12-100-03					
Diesel Range Organics	ND	35	NWTPH-Dx	12-19-11	12-19-11	
Lube Oil Range Organics	ND	70	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>106</i>	<i>50-150</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

VOLATILES by EPA 8260B
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP1-W					
Laboratory ID:	12-100-01					
Dichlorodifluoromethane	0.52	0.20	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Acetone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	2.0	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Toluene	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP1-W					
Laboratory ID:	12-100-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.40	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	1.0	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>80</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>83</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>83</i>	<i>65-120</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

VOLATILES by EPA 8260B
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW1					
Laboratory ID:	12-100-02					
Dichlorodifluoromethane	0.25	0.20	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	0.62	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Acetone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	2.0	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Toluene	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	

Date of Report: December 23, 2011
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VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW1					
Laboratory ID:	12-100-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.40	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	1.0	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>84</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>83</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>85</i>	<i>65-120</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

VOLATILES by EPA 8260B
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED1					
Laboratory ID:	12-100-03					
Dichlorodifluoromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0069	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0069	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0069	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0069	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260	12-15-11	12-15-11	

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 Project: 0180-292-00

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED1					
Laboratory ID:	12-100-03					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0028	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0069	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0069	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>55-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

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:	DP1-W					
Laboratory ID:	12-100-01					
n-Nitrosodimethylamine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Pyridine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Phenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
Aniline	ND	4.8	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Chlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,3-Dichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,4-Dichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Benzyl alcohol	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2-Dichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270	12-16-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270	12-16-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Hexachloroethane	ND	0.95	EPA 8270	12-16-11	12-20-11	
Nitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Isophorone	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Nitrophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4-Dimethylphenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4-Dichlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Naphthalene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
4-Chloroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
Hexachlorobutadiene	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Methylnaphthalene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,3-Dichloroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Chloronaphthalene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2-Nitroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,4-Dinitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Dimethylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,3-Dinitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,6-Dinitrotoluene	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2-Dinitrobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Acenaphthylene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
3-Nitroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	

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 Samples Submitted: December 14, 2011
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SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP1-W					
Laboratory ID:	12-100-01					
2,4-Dinitrophenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
Acenaphthene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
4-Nitrophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,4-Dinitrotoluene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Dibenzofuran	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270	12-16-11	12-20-11	
Diethylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Nitroaniline	ND	0.95	EPA 8270	12-16-11	12-20-11	
Fluorene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270	12-16-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270	12-16-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270	12-16-11	12-20-11	
Hexachlorobenzene	ND	0.95	EPA 8270	12-16-11	12-20-11	
Pentachlorophenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
Phenanthrene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Carbazole	ND	0.95	EPA 8270	12-16-11	12-20-11	
Di-n-butylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
Fluoranthene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Benzidine	ND	4.8	EPA 8270	12-16-11	12-20-11	
Pyrene	ND	0.095	EPA 8270/SIM	12-16-11	12-16-11	
Butylbenzylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
bis(2-Ethylhexyl)adipate	ND	4.8	EPA 8270	12-16-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270	12-16-11	12-20-11	
Benzo[a]anthracene	0.0097	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
bis(2-Ethylhexyl)phthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
Di-n-octylphthalate	ND	0.95	EPA 8270	12-16-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	43	18 - 86				
Phenol-d6	30	10 - 88				
Nitrobenzene-d5	64	37 - 112				
2-Fluorobiphenyl	82	42 - 108				
2,4,6-Tribromophenol	109	39 - 118				
Terphenyl-d14	67	49 - 122				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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:	SW1					
Laboratory ID:	12-100-02					
Naphthalene	0.12	0.098	EPA 8270/SIM	12-16-11	12-16-11	
2-Methylnaphthalene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Acenaphthylene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Acenaphthene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Fluorene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Phenanthrene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Fluoranthene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Pyrene	ND	0.098	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]anthracene	0.010	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[b]fluoranthene	ND	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.0098	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>82</i>	<i>38 - 105</i>				
<i>Pyrene-d10</i>	<i>87</i>	<i>37 - 121</i>				
<i>Terphenyl-d14</i>	<i>100</i>	<i>32 - 112</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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:	SED1					
Laboratory ID:	12-100-03					
Naphthalene	0.048	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
2-Methylnaphthalene	0.022	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
1-Methylnaphthalene	0.014	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthylene	ND	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Acenaphthene	0.021	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Fluorene	0.014	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Phenanthrene	0.059	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Anthracene	ND	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Fluoranthene	0.030	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Pyrene	0.040	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]anthracene	0.011	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Chrysene	0.016	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[b]fluoranthene	0.013	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo(j,k)fluoranthene	ND	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[a]pyrene	0.012	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Dibenz[a,h]anthracene	ND	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
Benzo[g,h,i]perylene	0.0096	0.0094	EPA 8270/SIM	12-19-11	12-20-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>59</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>65</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>63</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
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 Laboratory Reference: 1112-100
 Project: 0180-292-00

PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP1-W					
Laboratory ID:	12-100-01					
Aroclor 1016	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1221	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1232	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1242	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1248	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1254	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1260	ND	0.048	EPA 8082	12-16-11	12-17-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	71	36-127				
Client ID:	SW1					
Laboratory ID:	12-100-02					
Aroclor 1016	ND	0.049	EPA 8082	12-16-11	12-17-11	
Aroclor 1221	ND	0.049	EPA 8082	12-16-11	12-17-11	
Aroclor 1232	ND	0.049	EPA 8082	12-16-11	12-17-11	
Aroclor 1242	0.074	0.049	EPA 8082	12-16-11	12-17-11	
Aroclor 1248	ND	0.049	EPA 8082	12-16-11	12-17-11	
Aroclor 1254	ND	0.049	EPA 8082	12-16-11	12-17-11	
Aroclor 1260	ND	0.049	EPA 8082	12-16-11	12-17-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	36-127				

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 Project: 0180-292-00

PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SED1					
Laboratory ID:	12-100-03					
Aroclor 1016	ND	0.070	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.070	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.070	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.070	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.070	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	0.13	0.070	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.070	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>85</i>	<i>42-123</i>				

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**TOTAL METALS
 EPA 200.8/7470A**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	12-100-01					
Client ID:	DP1-W					
Arsenic	18	3.3	200.8	12-16-11	12-16-11	
Barium	30	28	200.8	12-16-11	12-16-11	
Cadmium	ND	4.4	200.8	12-16-11	12-16-11	
Chromium	26	11	200.8	12-16-11	12-16-11	
Lead	ND	1.1	200.8	12-16-11	12-16-11	
Mercury	ND	0.50	7470A	12-16-11	12-16-11	
Selenium	ND	5.6	200.8	12-16-11	12-16-11	
Silver	ND	11	200.8	12-16-11	12-16-11	

Lab ID:	12-100-02					
Client ID:	SW1					
Arsenic	ND	3.3	200.8	12-16-11	12-16-11	
Barium	41	28	200.8	12-16-11	12-16-11	
Cadmium	ND	4.4	200.8	12-16-11	12-16-11	
Chromium	ND	11	200.8	12-16-11	12-16-11	
Lead	7.4	1.1	200.8	12-16-11	12-16-11	
Mercury	ND	0.50	7470A	12-16-11	12-16-11	
Selenium	ND	5.6	200.8	12-16-11	12-16-11	
Silver	ND	11	200.8	12-16-11	12-16-11	

Date of Report: December 23, 2011
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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-100-01					
Client ID:	DP1-W					
Arsenic	21	3.0	200.8		12-15-11	
Barium	ND	25	200.8		12-15-11	
Cadmium	ND	4.0	200.8		12-15-11	
Chromium	22	10	200.8		12-15-11	
Lead	ND	1.0	200.8		12-15-11	
Mercury	ND	0.50	7470A		12-20-11	
Selenium	ND	5.0	200.8		12-15-11	
Silver	ND	10	200.8		12-15-11	

Lab ID:	12-100-02					
Client ID:	SW1					
Arsenic	ND	3.0	200.8	12-14-11	12-15-11	
Barium	31	25	200.8	12-14-11	12-15-11	
Cadmium	ND	4.0	200.8	12-14-11	12-15-11	
Chromium	ND	10	200.8	12-14-11	12-15-11	
Lead	1.4	1.0	200.8	12-14-11	12-15-11	
Mercury	ND	0.50	7470A	12-14-11	12-20-11	
Selenium	ND	5.0	200.8	12-14-11	12-15-11	
Silver	ND	10	200.8	12-14-11	12-15-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-100-03					
Client ID:	SED1					
Arsenic	ND	14	6010B	12-19-11	12-19-11	
Barium	85	3.5	6010B	12-19-11	12-19-11	
Cadmium	ND	0.70	6010B	12-19-11	12-19-11	
Chromium	36	0.70	6010B	12-19-11	12-19-11	
Lead	17	7.0	6010B	12-19-11	12-19-11	
Mercury	ND	0.35	7471A	12-19-11	12-19-11	
Selenium	ND	14	6010B	12-19-11	12-19-11	
Silver	ND	0.70	6010B	12-19-11	12-19-11	

Date of Report: December 23, 2011
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 Project: 0180-292-00

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1215W2					
Gasoline	ND	100	NWTPH-Gx	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	73-121				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-100-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	90	73-121		

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
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 Project: 0180-292-00

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1216S2					
Gasoline	ND	5.0	NWTPH-Gx	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	87	68-124				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-100-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
Fluorobenzene				102	106	68-124		

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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:	MB1221W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>101</i>	<i>50-150</i>				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-105-02					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			100 105	50-150		

Date of Report: December 23, 2011
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**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:	MB1219S1					
Mineral Oil	ND	25	NWTPH-Dx	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>120</i>	<i>50-150</i>				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-110-05					
	ORIG	DUP				
Diesel Range Organics	ND	ND			NA	NA
Lube Oil Range Organics	ND	ND			NA	NA
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			104 102	50-150		

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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:	MB1215W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Acetone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	2.0	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Toluene	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB1215W1				
1,1,2-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.40	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	1.0	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>85</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>90</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>65-120</i>				

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**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB1215W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.0	10.4	10.0	10.0	110	104	70-130	6	11	
Benzene	9.09	8.95	10.0	10.0	91	90	75-123	2	8	
Trichloroethene	10.1	10.3	10.0	10.0	101	103	80-113	2	9	
Toluene	9.74	9.71	10.0	10.0	97	97	80-113	0	8	
Chlorobenzene	10.8	10.5	10.0	10.0	108	105	80-111	3	8	
<i>Surrogate:</i>										
Dibromofluoromethane					77	77	68-120			
Toluene-d8					82	85	73-120			
4-Bromofluorobenzene					79	85	65-120			

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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:	MB1215S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Acetone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	0.0050	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	0.0050	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Toluene	ND	0.0050	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	12-15-11	12-15-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1215S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.0020	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	63-127				
<i>Toluene-d8</i>	98	65-129				
<i>4-Bromofluorobenzene</i>	96	55-121				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB1215S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0573	0.0584	0.0500	0.0500	115	117	70-130	2	19	
Benzene	0.0499	0.0504	0.0500	0.0500	100	101	70-125	1	15	
Trichloroethene	0.0474	0.0476	0.0500	0.0500	95	95	70-122	0	14	
Toluene	0.0493	0.0495	0.0500	0.0500	99	99	73-120	0	16	
Chlorobenzene	0.0451	0.0451	0.0500	0.0500	90	90	74-109	0	12	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					<i>85</i>	<i>84</i>	<i>63-127</i>			
<i>Toluene-d8</i>					<i>94</i>	<i>90</i>	<i>65-129</i>			
<i>4-Bromofluorobenzene</i>					<i>91</i>	<i>84</i>	<i>55-121</i>			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1216W2					
n-Nitrosodimethylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Pyridine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Phenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
Aniline	ND	5.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Chlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,3-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,4-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzyl alcohol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270	12-16-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270	12-16-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachloroethane	ND	1.0	EPA 8270	12-16-11	12-20-11	
Nitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Isophorone	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Nitrophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dimethylphenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Naphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4-Chloroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachlorobutadiene	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3-Dichloroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Chloronaphthalene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,4-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Dimethylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,3-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,6-Dinitrotoluene	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Acenaphthylene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
3-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	

Date of Report: December 23, 2011
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 Laboratory Reference: 1112-100
 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1216W2					
2,4-Dinitrophenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
Acenaphthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4-Nitrophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dinitrotoluene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Dibenzofuran	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
Diethylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
Fluorene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Pentachlorophenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
Phenanthrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Carbazole	ND	1.0	EPA 8270	12-16-11	12-20-11	
Di-n-butylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Fluoranthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Benzidine	ND	5.0	EPA 8270	12-16-11	12-20-11	
Pyrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Butylbenzylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270	12-16-11	12-20-11	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
bis(2-Ethylhexyl)phthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Di-n-octylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>57</i>	<i>18 - 86</i>				
<i>Phenol-d6</i>	<i>41</i>	<i>10 - 88</i>				
<i>Nitrobenzene-d5</i>	<i>76</i>	<i>37 - 112</i>				
<i>2-Fluorobiphenyl</i>	<i>92</i>	<i>42 - 108</i>				
<i>2,4,6-Tribromophenol</i>	<i>108</i>	<i>39 - 118</i>				
<i>Terphenyl-d14</i>	<i>83</i>	<i>49 - 122</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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
	SB	SBD	SB	SBD	SB	SBD				
SPIKE BLANKS										
Laboratory ID:	SB1216W2									
Phenol	15.5	13.3	40.0	40.0	39	33	26 - 60	15	29	
2-Chlorophenol	29.6	24.4	40.0	40.0	74	61	46 - 104	19	34	
1,4-Dichlorobenzene	13.0	10.6	20.0	20.0	65	53	46 - 92	20	29	
n-Nitroso-di-n-propylamine	12.1	10.2	20.0	20.0	61	51	30 - 102	17	25	
1,2,4-Trichlorobenzene	18.3	15.4	20.0	20.0	92	77	45 - 92	17	25	
4-Chloro-3-methylphenol	34.4	32.1	40.0	40.0	86	80	53 - 104	7	18	
Acenaphthene	16.0	14.6	20.0	20.0	80	73	57 - 95	9	15	
4-Nitrophenol	22.4	20.8	40.0	40.0	56	52	21 - 75	7	33	
2,4-Dinitrotoluene	21.4	20.3	20.0	20.0	107	102	60 - 108	5	20	
Pentachlorophenol	26.3	25.2	40.0	40.0	66	63	48 - 119	4	31	
Pyrene	13.8	13.3	20.0	20.0	69	67	62 - 111	4	19	
<i>Surrogate:</i>										
2-Fluorophenol					58	46	18 - 86			
Phenol-d6					42	34	10 - 88			
Nitrobenzene-d5					73	61	37 - 112			
2-Fluorobiphenyl					90	79	42 - 108			
2,4,6-Tribromophenol					103	100	39 - 118			
Terphenyl-d14					80	78	49 - 122			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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:	MB1216W1					
Naphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
2-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Acenaphthylene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Acenaphthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Fluorene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Phenanthrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Fluoranthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Pyrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Indeno(1,2,3-c,d)pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>69</i>	<i>38 - 105</i>				
<i>Pyrene-d10</i>	<i>74</i>	<i>37 - 121</i>				
<i>Terphenyl-d14</i>	<i>87</i>	<i>32 - 112</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

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	RPD	RPD	Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB1216W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	0.412	0.448	0.500	0.500	82	90	38 - 110	8	35	
Acenaphthylene	0.510	0.541	0.500	0.500	102	108	47 - 120	6	30	
Acenaphthene	0.470	0.507	0.500	0.500	94	101	46 - 113	8	26	
Fluorene	0.465	0.492	0.500	0.500	93	98	60 - 104	6	25	
Phenanthrene	0.435	0.473	0.500	0.500	87	95	61 - 99	8	19	
Anthracene	0.458	0.499	0.500	0.500	92	100	55 - 122	9	19	
Fluoranthene	0.448	0.488	0.500	0.500	90	98	58 - 129	9	18	
Pyrene	0.438	0.532	0.500	0.500	88	106	57 - 126	19	22	
Benzo[a]anthracene	0.441	0.478	0.500	0.500	88	96	51 - 124	8	18	
Chrysene	0.434	0.478	0.500	0.500	87	96	53 - 123	10	20	
Benzo[b]fluoranthene	0.449	0.503	0.500	0.500	90	101	53 - 126	11	18	
Benzo(j,k)fluoranthene	0.443	0.474	0.500	0.500	89	95	51 - 126	7	23	
Benzo[a]pyrene	0.472	0.514	0.500	0.500	94	103	52 - 127	9	21	
Indeno(1,2,3-c,d)pyrene	0.444	0.489	0.500	0.500	89	98	49 - 123	10	26	
Dibenz[a,h]anthracene	0.435	0.479	0.500	0.500	87	96	39 - 125	10	31	
Benzo[g,h,i]perylene	0.421	0.464	0.500	0.500	84	93	40 - 125	10	30	
<i>Surrogate:</i>										
2-Fluorobiphenyl					81	85	38 - 105			
Pyrene-d10					83	90	37 - 121			
Terphenyl-d14					104	108	32 - 112			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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:	MB1219S1					
Naphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluorene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Indeno(1,2,3-c,d)pyrene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	12-19-11	12-19-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>75</i>	<i>43 - 109</i>				
<i>Pyrene-d10</i>	<i>85</i>	<i>38 - 128</i>				
<i>Terphenyl-d14</i>	<i>77</i>	<i>33 - 119</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**PAHs by EPA 8270D/SIM
 MS/MSD QUALITY CONTROL
 (with silica gel clean-up)**

Matrix: Soil
 Units: mg/Kg

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD	RPD	Flags
					Result	Recovery	Limits			
MATRIX SPIKES										
Laboratory ID:	12-110-03									
	MS	MSD	MS	MSD		MS	MSD			
Naphthalene	0.0546	0.0593	0.0833	0.0833	ND	66	71	39 - 110	8	21
Acenaphthylene	0.0530	0.0593	0.0833	0.0833	ND	64	71	47 - 124	11	21
Acenaphthene	0.0489	0.0560	0.0833	0.0833	ND	59	67	50 - 120	14	20
Fluorene	0.0487	0.0568	0.0833	0.0833	ND	58	68	52 - 126	15	21
Phenanthrene	0.0478	0.0551	0.0833	0.0833	ND	57	66	41 - 130	14	22
Anthracene	0.0473	0.0554	0.0833	0.0833	ND	57	67	48 - 124	16	23
Fluoranthene	0.0495	0.0581	0.0833	0.0833	ND	59	70	40 - 137	16	23
Pyrene	0.0487	0.0579	0.0833	0.0833	ND	58	70	36 - 139	17	23
Benzo[a]anthracene	0.0496	0.0593	0.0833	0.0833	ND	60	71	43 - 127	18	21
Chrysene	0.0476	0.0570	0.0833	0.0833	ND	57	68	41 - 133	18	19
Benzo[b]fluoranthene	0.0452	0.0555	0.0833	0.0833	ND	54	67	40 - 132	20	25
Benzo(j,k)fluoranthene	0.0436	0.0526	0.0833	0.0833	ND	52	63	35 - 132	19	25
Benzo[a]pyrene	0.0471	0.0563	0.0833	0.0833	ND	57	68	37 - 131	18	26
Indeno(1,2,3-c,d)pyrene	0.0444	0.0541	0.0833	0.0833	ND	53	65	39 - 134	20	23
Dibenz[a,h]anthracene	0.0457	0.0553	0.0833	0.0833	ND	55	66	40 - 137	19	21
Benzo[g,h,i]perylene	0.0456	0.0550	0.0833	0.0833	ND	55	66	35 - 135	19	22
<i>Surrogate:</i>										
2-Fluorobiphenyl						54	60	43 - 109		
Pyrene-d10						56	67	38 - 128		
Terphenyl-d14						53	63	33 - 119		

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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:	MB1216W1					
Aroclor 1016	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1221	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1232	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1242	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1248	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1254	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1260	ND	0.050	EPA 8082	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	78		36-127			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1216W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.387	0.430	0.500	0.500	N/A	77	86	57-122	11	11	
<i>Surrogate:</i>											
DCB						80	85	36-127			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**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:	MB1215S1					
Aroclor 1016	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1221	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1232	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1242	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1248	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1254	ND	0.050	EPA 8082	12-15-11	12-16-11	
Aroclor 1260	ND	0.050	EPA 8082	12-15-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	91		42-123			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	12-099-07										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.534	0.460	0.500	0.500	ND	107	92	44-125	15	15	
<i>Surrogate:</i>											
DCB						96	83	42-123			

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-100
Project: 0180-292-00

**TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-16-11
Date Analyzed: 12-16-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1216WM1&MB1216W1

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

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11
 Matrix: Water
 Units: ug/L (ppb)
 Lab ID: 12-091-02

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	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11
 Matrix: Water
 Units: ug/L (ppb)
 Lab ID: 12-091-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	111	108	97	109	98	1	
Barium	111	113	102	115	104	1	
Cadmium	111	105	95	106	95	1	
Chromium	111	113	102	113	102	0	
Lead	111	111	100	111	100	0	
Mercury	12.5	12.0	96	12.2	97	2	
Selenium	111	101	91	105	94	3	
Silver	111	100	90	103	92	3	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-100
Project: 0180-292-00

**DISSOLVED METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL**

Date Filtered: 12-14-11
Date Analyzed: 12-15&20-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1214F1

Analyte	Method	Result	PQL
Arsenic	200.8	ND	3.0
Barium	200.8	ND	25
Cadmium	200.8	ND	4.0
Chromium	200.8	ND	10
Lead	200.8	ND	1.0
Mercury	7470A	ND	0.50
Selenium	200.8	ND	5.0
Silver	200.8	ND	10

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 DUPLICATE QUALITY CONTROL**

Date Filtered: 12-14-11
 Date Analyzed: 12-15&20-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	3.0	
Barium	ND	ND	NA	25	
Cadmium	ND	ND	NA	4.0	
Chromium	ND	ND	NA	10	
Lead	ND	ND	NA	1.0	
Mercury	ND	ND	NA	0.50	
Selenium	ND	ND	NA	5.0	
Silver	ND	ND	NA	10	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 MS/MSD QUALITY CONTROL**

Date Filtered: 12-14-11
 Date Analyzed: 12-15&20-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	209	105	205	102	2	
Barium	200	205	102	207	104	1	
Cadmium	200	207	104	204	102	2	
Chromium	200	188	94	188	94	0	
Lead	200	201	101	195	98	3	
Mercury	12.5	12.2	98	12.1	97	1	
Selenium	200	209	104	210	105	1	
Silver	200	180	90	181	91	1	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-100
Project: 0180-292-00

**TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-19-11
Date Analyzed: 12-19-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1219SM1&MB1219S1

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

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-19-11
 Date Analyzed: 12-19-11

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: 12-098-17

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	42.3	47.4	11	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	26.3	27.9	6	0.50	
Lead	21.6	22.6	5	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	0.50	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-100
 Project: 0180-292-00

**TOTAL METALS
 EPA 6010B/7471A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-19-11

Date Analyzed: 12-19-11

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 12-098-17

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	88.7	89	89.0	89	0	
Barium	100	142	100	140	97	2	
Cadmium	50.0	47.0	94	47.2	94	0	
Chromium	100	119	92	121	94	2	
Lead	250	253	93	241	88	5	
Mercury	0.500	0.512	102	0.490	98	4	
Selenium	100	91.6	92	92.3	92	1	
Silver	25.0	21.0	84	21.1	84	0	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-100
Project: 0180-292-00

% MOISTURE

Date Analyzed: 12-15-11

Client ID	Lab ID	% Moisture
SED1	12-100-03	29



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-naphthalene) 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



MVA Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 893-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

Laboratory Number:

12-100

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days) (TPH analysis 5 Days)

_____ (other)

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 Metals

Total MTCA Metals

TCLP Metals

HEM (oil and grease) 1664

% Moisture

Company: Geo Engineers
Project Number: 0180-292-00
Project Name: West-Holiday Metals
Project Manager: Baron Wagnon
Sampled by: SCD

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	No. of Cont.	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 Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	DP1-W	12/13/11	1020	W	13			X	X	X				X				X	X			
2	SW1		1220	W	↓			X	X	X				X				X	X			
3	SFD1		1240	S	5			X	X	X				X				X	X			X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Geo	12/14/11	1340	● Added 12/15/11. DB (STA)
Received		Specs	12-14-11	1411	
Relinquished		Specs	12-17-11	1620	
Received		Specs	12/14/11	1620	
Relinquished		Specs			
Received					
Reviewed/Date					Chromatograms with final report <input type="checkbox"/>



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 23, 2011

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1112-101

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on December 14, 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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-101
Project: 0180-292-00

Case Narrative

Samples were collected on December 14, 2011 and received by the laboratory on December 14, 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.

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-101
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Well1-W	12-101-01	Water	12-14-11	12-14-11	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-101
Project: 0180-292-00

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Well1-W					
Laboratory ID:	12-101-01					
Gasoline	ND	100	NWTPH-Gx	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>91</i>	<i>73-121</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

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:	Well1-W					
Laboratory ID:	12-101-01					
Diesel Range Organics	ND	0.26	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>101</i>	<i>50-150</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

VOLATILES by EPA 8260B
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Well1-W					
Laboratory ID:	12-101-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Acetone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	2.0	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Toluene	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Well1-W					
Laboratory ID:	12-101-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.40	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	1.0	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	83	68-120				
<i>Toluene-d8</i>	82	73-120				
<i>4-Bromofluorobenzene</i>	84	65-120				

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Well1-W					
Laboratory ID:	12-101-01					
n-Nitrosodimethylamine	ND	0.96	EPA 8270	12-16-11	12-20-11	
Pyridine	ND	0.96	EPA 8270	12-16-11	12-20-11	
Phenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
Aniline	ND	4.8	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethyl)ether	ND	0.96	EPA 8270	12-16-11	12-20-11	
2-Chlorophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,3-Dichlorobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,4-Dichlorobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
Benzyl alcohol	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,2-Dichlorobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	0.96	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	0.96	EPA 8270	12-16-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.96	EPA 8270	12-16-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	0.96	EPA 8270	12-16-11	12-20-11	
Hexachloroethane	ND	0.96	EPA 8270	12-16-11	12-20-11	
Nitrobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
Isophorone	ND	0.96	EPA 8270	12-16-11	12-20-11	
2-Nitrophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,4-Dimethylphenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,4-Dichlorophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,2,4-Trichlorobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
Naphthalene	0.19	0.096	EPA 8270/SIM	12-16-11	12-16-11	
4-Chloroaniline	ND	0.96	EPA 8270	12-16-11	12-20-11	
Hexachlorobutadiene	ND	0.96	EPA 8270	12-16-11	12-20-11	
4-Chloro-3-methylphenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
2-Methylnaphthalene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
Hexachlorocyclopentadiene	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,4,6-Trichlorophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,3-Dichloroaniline	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,4,5-Trichlorophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
2-Chloronaphthalene	ND	0.96	EPA 8270	12-16-11	12-20-11	
2-Nitroaniline	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,4-Dinitrobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
Dimethylphthalate	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,3-Dinitrobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,6-Dinitrotoluene	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,2-Dinitrobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
Acenaphthylene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
3-Nitroaniline	ND	0.96	EPA 8270	12-16-11	12-20-11	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Well1-W					
Laboratory ID:	12-101-01					
2,4-Dinitrophenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
Acenaphthene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
4-Nitrophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,4-Dinitrotoluene	ND	0.96	EPA 8270	12-16-11	12-20-11	
Dibenzofuran	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	0.96	EPA 8270	12-16-11	12-20-11	
Diethylphthalate	ND	0.96	EPA 8270	12-16-11	12-20-11	
4-Chlorophenyl-phenylether	ND	0.96	EPA 8270	12-16-11	12-20-11	
4-Nitroaniline	ND	0.96	EPA 8270	12-16-11	12-20-11	
Fluorene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
n-Nitrosodiphenylamine	ND	0.96	EPA 8270	12-16-11	12-20-11	
1,2-Diphenylhydrazine	ND	0.96	EPA 8270	12-16-11	12-20-11	
4-Bromophenyl-phenylether	ND	0.96	EPA 8270	12-16-11	12-20-11	
Hexachlorobenzene	ND	0.96	EPA 8270	12-16-11	12-20-11	
Pentachlorophenol	ND	4.8	EPA 8270	12-16-11	12-20-11	
Phenanthrene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
Carbazole	ND	0.96	EPA 8270	12-16-11	12-20-11	
Di-n-butylphthalate	ND	0.96	EPA 8270	12-16-11	12-20-11	
Fluoranthene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
Benzidine	ND	4.8	EPA 8270	12-16-11	12-20-11	
Pyrene	ND	0.096	EPA 8270/SIM	12-16-11	12-16-11	
Butylbenzylphthalate	ND	0.96	EPA 8270	12-16-11	12-20-11	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270	12-16-11	12-20-11	
3,3'-Dichlorobenzidine	ND	0.96	EPA 8270	12-16-11	12-20-11	
Benzo[a]anthracene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
bis(2-Ethylhexyl)phthalate	ND	0.96	EPA 8270	12-16-11	12-20-11	
Di-n-octylphthalate	ND	0.96	EPA 8270	12-16-11	12-20-11	
Benzo[b]fluoranthene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
Indeno[1,2,3-cd]pyrene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.0096	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	50	18 - 86				
Phenol-d6	34	10 - 88				
Nitrobenzene-d5	67	37 - 112				
2-Fluorobiphenyl	86	42 - 108				
2,4,6-Tribromophenol	111	39 - 118				
Terphenyl-d14	79	49 - 122				

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PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Well1-W					
Laboratory ID:	12-101-01					
Aroclor 1016	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1221	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1232	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1242	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1248	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1254	ND	0.048	EPA 8082	12-16-11	12-17-11	
Aroclor 1260	ND	0.048	EPA 8082	12-16-11	12-17-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>87</i>	<i>36-127</i>				

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**TOTAL METALS
 EPA 200.8/7470A**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	12-101-01					
Client ID:	Well1-W					
Arsenic	ND	3.3	200.8	12-16-11	12-16-11	
Barium	ND	28	200.8	12-16-11	12-16-11	
Cadmium	ND	4.4	200.8	12-16-11	12-16-11	
Chromium	ND	11	200.8	12-16-11	12-16-11	
Lead	ND	1.1	200.8	12-16-11	12-16-11	
Mercury	ND	0.50	7470A	12-16-11	12-16-11	
Selenium	ND	5.6	200.8	12-16-11	12-16-11	
Silver	ND	11	200.8	12-16-11	12-16-11	

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DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	12-101-01					
Client ID:	Well1-W					
Arsenic	ND	3.0	200.8		12-15-11	
Barium	ND	25	200.8		12-15-11	
Cadmium	ND	4.0	200.8		12-15-11	
Chromium	ND	10	200.8		12-15-11	
Lead	ND	1.0	200.8		12-15-11	
Mercury	ND	0.50	7470A		12-20-11	
Selenium	ND	5.0	200.8		12-15-11	
Silver	ND	10	200.8		12-15-11	

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**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1215W2					
Gasoline	ND	100	NWTPH-Gx	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	90	73-121				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-100-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
Fluorobenzene				91	90	73-121		

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**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:	MB1221W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	12-21-11	12-21-11	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	12-21-11	12-21-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>101</i>	<i>50-150</i>				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	12-101-01					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			<i>101 104</i>	<i>50-150</i>		

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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:	MB1215W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloromethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Vinyl Chloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Acetone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Iodomethane	ND	1.0	EPA 8260	12-15-11	12-15-11	
Carbon Disulfide	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methylene Chloride	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Vinyl Acetate	ND	2.0	EPA 8260	12-15-11	12-15-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Butanone	ND	5.0	EPA 8260	12-15-11	12-15-11	
Bromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chloroform	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Benzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Trichloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Dibromomethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromodichloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	12-15-11	12-15-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Toluene	ND	1.0	EPA 8260	12-15-11	12-15-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	12-15-11	12-15-11	

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB1215W1				
1,1,2-Trichloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Tetrachloroethene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Hexanone	ND	2.0	EPA 8260	12-15-11	12-15-11	
Dibromochloromethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Chlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
Ethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
m,p-Xylene	ND	0.40	EPA 8260	12-15-11	12-15-11	
o-Xylene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Styrene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromoform	ND	1.0	EPA 8260	12-15-11	12-15-11	
Isopropylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Bromobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Propylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
2-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
4-Chlorotoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
tert-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
sec-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
n-Butylbenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	12-15-11	12-15-11	
Naphthalene	ND	1.0	EPA 8260	12-15-11	12-15-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	12-15-11	12-15-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>85</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>90</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>65-120</i>				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB1215W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.0	10.4	10.0	10.0	110	104	70-130	6	11	
Benzene	9.09	8.95	10.0	10.0	91	90	75-123	2	8	
Trichloroethene	10.1	10.3	10.0	10.0	101	103	80-113	2	9	
Toluene	9.74	9.71	10.0	10.0	97	97	80-113	0	8	
Chlorobenzene	10.8	10.5	10.0	10.0	108	105	80-111	3	8	
<i>Surrogate:</i>										
Dibromofluoromethane					77	77	68-120			
Toluene-d8					82	85	73-120			
4-Bromofluorobenzene					79	85	65-120			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**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:	MB1216W2					
n-Nitrosodimethylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Pyridine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Phenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
Aniline	ND	5.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Chlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,3-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,4-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzyl alcohol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Dichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270	12-16-11	12-20-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270	12-16-11	12-20-11	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachloroethane	ND	1.0	EPA 8270	12-16-11	12-20-11	
Nitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Isophorone	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Nitrophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dimethylphenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Naphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4-Chloroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachlorobutadiene	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
1-Methylnaphthalene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3-Dichloroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Chloronaphthalene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,4-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Dimethylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,3-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,6-Dinitrotoluene	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Dinitrobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Acenaphthylene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
3-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1216W2					
2,4-Dinitrophenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
Acenaphthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4-Nitrophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,4-Dinitrotoluene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Dibenzofuran	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270	12-16-11	12-20-11	
Diethylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Nitroaniline	ND	1.0	EPA 8270	12-16-11	12-20-11	
Fluorene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270	12-16-11	12-20-11	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270	12-16-11	12-20-11	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270	12-16-11	12-20-11	
Hexachlorobenzene	ND	1.0	EPA 8270	12-16-11	12-20-11	
Pentachlorophenol	ND	5.0	EPA 8270	12-16-11	12-20-11	
Phenanthrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Anthracene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Carbazole	ND	1.0	EPA 8270	12-16-11	12-20-11	
Di-n-butylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Fluoranthene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Benzidine	ND	5.0	EPA 8270	12-16-11	12-20-11	
Pyrene	ND	0.10	EPA 8270/SIM	12-16-11	12-16-11	
Butylbenzylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270	12-16-11	12-20-11	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Chrysene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
bis(2-Ethylhexyl)phthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Di-n-octylphthalate	ND	1.0	EPA 8270	12-16-11	12-20-11	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	57	18 - 86				
Phenol-d6	41	10 - 88				
Nitrobenzene-d5	76	37 - 112				
2-Fluorobiphenyl	92	42 - 108				
2,4,6-Tribromophenol	108	39 - 118				
Terphenyl-d14	83	49 - 122				

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**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
	SB	SBD	SB	SBD	SB	SBD				
SPIKE BLANKS										
Laboratory ID:	SB1216W2									
Phenol	15.5	13.3	40.0	40.0	39	33	26 - 60	15	29	
2-Chlorophenol	29.6	24.4	40.0	40.0	74	61	46 - 104	19	34	
1,4-Dichlorobenzene	13.0	10.6	20.0	20.0	65	53	46 - 92	20	29	
n-Nitroso-di-n-propylamine	12.1	10.2	20.0	20.0	61	51	30 - 102	17	25	
1,2,4-Trichlorobenzene	18.3	15.4	20.0	20.0	92	77	45 - 92	17	25	
4-Chloro-3-methylphenol	34.4	32.1	40.0	40.0	86	80	53 - 104	7	18	
Acenaphthene	16.0	14.6	20.0	20.0	80	73	57 - 95	9	15	
4-Nitrophenol	22.4	20.8	40.0	40.0	56	52	21 - 75	7	33	
2,4-Dinitrotoluene	21.4	20.3	20.0	20.0	107	102	60 - 108	5	20	
Pentachlorophenol	26.3	25.2	40.0	40.0	66	63	48 - 119	4	31	
Pyrene	13.8	13.3	20.0	20.0	69	67	62 - 111	4	19	
<i>Surrogate:</i>										
2-Fluorophenol					58	46	18 - 86			
Phenol-d6					42	34	10 - 88			
Nitrobenzene-d5					73	61	37 - 112			
2-Fluorobiphenyl					90	79	42 - 108			
2,4,6-Tribromophenol					103	100	39 - 118			
Terphenyl-d14					80	78	49 - 122			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**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:	MB1216W1					
Aroclor 1016	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1221	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1232	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1242	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1248	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1254	ND	0.050	EPA 8082	12-16-11	12-16-11	
Aroclor 1260	ND	0.050	EPA 8082	12-16-11	12-16-11	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	78		36-127			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1216W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.387	0.430	0.500	0.500	N/A	77	86	57-122	11	11	
<i>Surrogate:</i>											
DCB						80	85	36-127			

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11
 Matrix: Water
 Units: ug/L (ppb)
 Lab ID: MB1216WM1&MB1216W1

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

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

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	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8/7470A
 MS/MSD QUALITY CONTROL**

Date Extracted: 12-16-11
 Date Analyzed: 12-16-11
 Matrix: Water
 Units: ug/L (ppb)
 Lab ID: 12-091-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	111	108	97	109	98	1	
Barium	111	113	102	115	104	1	
Cadmium	111	105	95	106	95	1	
Chromium	111	113	102	113	102	0	
Lead	111	111	100	111	100	0	
Mercury	12.5	12.0	96	12.2	97	2	
Selenium	111	101	91	105	94	3	
Silver	111	100	90	103	92	3	

Date of Report: December 23, 2011
Samples Submitted: December 14, 2011
Laboratory Reference: 1112-101
Project: 0180-292-00

**DISSOLVED METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL**

Date Filtered: 12-14-11
Date Analyzed: 12-15&20-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1214F1

Analyte	Method	Result	PQL
Arsenic	200.8	ND	3.0
Barium	200.8	ND	25
Cadmium	200.8	ND	4.0
Chromium	200.8	ND	10
Lead	200.8	ND	1.0
Mercury	7470A	ND	0.50
Selenium	200.8	ND	5.0
Silver	200.8	ND	10

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 DUPLICATE QUALITY CONTROL**

Date Filtered: 12-14-11
 Date Analyzed: 12-15&20-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	3.0	
Barium	ND	ND	NA	25	
Cadmium	ND	ND	NA	4.0	
Chromium	ND	ND	NA	10	
Lead	ND	ND	NA	1.0	
Mercury	ND	ND	NA	0.50	
Selenium	ND	ND	NA	5.0	
Silver	ND	ND	NA	10	

Date of Report: December 23, 2011
 Samples Submitted: December 14, 2011
 Laboratory Reference: 1112-101
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 MS/MSD QUALITY CONTROL**

Date Filtered: 12-14-11
 Date Analyzed: 12-15&20-11

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 12-091-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	209	105	205	102	2	
Barium	200	205	102	207	104	1	
Cadmium	200	207	104	204	102	2	
Chromium	200	188	94	188	94	0	
Lead	200	201	101	195	98	3	
Mercury	12.5	12.2	98	12.1	97	1	
Selenium	200	209	104	210	105	1	
Silver	200	180	90	181	91	1	



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-naphthalene) 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



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Chain of Custody

				Turnaround Request (In Working Days)		Laboratory Number: 12-101																	
				(Check One)																			
				<input type="checkbox"/> Same Day	<input type="checkbox"/> 1 Day																		
				<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days																		
				<input checked="" type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days)																			
				_____ (other)																			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	No. of Cont.	NWTPH-HCID	NWTPH-Gw/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 Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture	
1	Well 1-W	12/14/11	11:00 AM	W	13			X	X	X	50	X		X					X				
						Comments/Special Instructions: (X) Added 12/15/11. DB (STA)																	
Reinquinshed		Signature		Company		Date		Time															
Received				Lees		12/14/11		13:40															
Reinquinshed				SPERRY		12/14/11		1:42															
Received				SPERRY		12/17/11		16:20															
Reinquinshed				SPERRY		12/17/11		16:20															
Received				SPERRY		12/14/11		16:20															
Reinquinshed				SPERRY		12/14/11		16:20															
Received				SPERRY		12/14/11		16:20															
Reinquinshed				SPERRY		12/14/11		16:20															



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

February 16, 2012

Aaron Waggoner
GeoEngineers, Inc.
1101 Fawcett Avenue South, Suite 200
Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-00
Laboratory Reference No. 1202-084

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on February 9, 2012.

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

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-084
Project: 0180-292-00

Case Narrative

Samples were collected on February 8 and 9, 2012 and received by the laboratory on February 9, 2012. 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.

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-084
Project: 0180-292-00

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DP12-W	02-084-01	Water	2-8-12	2-9-12	
DP15-W	02-084-02	Water	2-8-12	2-9-12	
SW9	02-084-03	Water	2-9-12	2-9-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-084-01					
Client ID:	DP12-W					
Arsenic	12	3.3	200.8	2-10-12	2-10-12	
Barium	300	28	200.8	2-10-12	2-10-12	
Cadmium	ND	4.4	200.8	2-10-12	2-10-12	
Chromium	140	22	200.8	2-10-12	2-10-12	
Lead	12	1.1	200.8	2-10-12	2-10-12	
Mercury	ND	0.50	7470A	2-10-12	2-10-12	
Selenium	ND	5.6	200.8	2-10-12	2-10-12	
Silver	ND	11	200.8	2-10-12	2-10-12	

Lab ID:	02-084-02					
Client ID:	DP15-W					
Arsenic	27	3.3	200.8	2-10-12	2-10-12	
Barium	400	28	200.8	2-10-12	2-10-12	
Cadmium	ND	4.4	200.8	2-10-12	2-10-12	
Chromium	180	22	200.8	2-10-12	2-10-12	
Lead	16	1.1	200.8	2-10-12	2-10-12	
Mercury	ND	0.50	7470A	2-10-12	2-10-12	
Selenium	6.8	5.6	200.8	2-10-12	2-10-12	
Silver	ND	11	200.8	2-10-12	2-10-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	02-084-03					
Client ID:	SW9					
Arsenic	ND	3.3	200.8	2-10-12	2-10-12	
Barium	ND	28	200.8	2-10-12	2-10-12	
Cadmium	ND	4.4	200.8	2-10-12	2-10-12	
Chromium	ND	11	200.8	2-10-12	2-10-12	
Lead	8.3	1.1	200.8	2-10-12	2-10-12	
Mercury	ND	0.50	7470A	2-10-12	2-10-12	
Selenium	ND	5.6	200.8	2-10-12	2-10-12	
Silver	ND	11	200.8	2-10-12	2-10-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

DISSOLVED METALS
EPA 200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-084-01					
Client ID:	DP12-W					
Arsenic	ND	3.0	200.8		2-10-12	
Barium	ND	25	200.8		2-10-12	
Cadmium	ND	4.0	200.8		2-10-12	
Chromium	ND	10	200.8		2-10-12	
Lead	ND	1.0	200.8		2-10-12	
Mercury	ND	0.50	7470A		2-10-12	
Selenium	ND	5.0	200.8		2-10-12	
Silver	ND	10	200.8		2-10-12	
Lab ID:	02-084-02					
Client ID:	DP15-W					
Arsenic	ND	3.0	200.8	2-9-12	2-10-12	
Barium	ND	25	200.8	2-9-12	2-10-12	
Cadmium	ND	4.0	200.8	2-9-12	2-10-12	
Chromium	ND	10	200.8	2-9-12	2-10-12	
Lead	ND	1.0	200.8	2-9-12	2-10-12	
Mercury	ND	0.50	7470A	2-9-12	2-10-12	
Selenium	ND	5.0	200.8	2-9-12	2-10-12	
Silver	ND	10	200.8	2-9-12	2-10-12	
Lab ID:	02-084-03					
Client ID:	SW9					
Arsenic	ND	3.0	200.8	2-9-12	2-10-12	
Barium	ND	25	200.8	2-9-12	2-10-12	
Cadmium	ND	4.0	200.8	2-9-12	2-10-12	
Chromium	ND	10	200.8	2-9-12	2-10-12	
Lead	1.6	1.0	200.8	2-9-12	2-10-12	
Mercury	ND	0.50	7470A	2-9-12	2-10-12	
Selenium	ND	5.0	200.8	2-9-12	2-10-12	
Silver	ND	10	200.8	2-9-12	2-10-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-W					
Laboratory ID:	02-084-01					
Gasoline	ND	100	NWTPH-Gx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	73-121				
Client ID:	DP15-W					
Laboratory ID:	02-084-02					
Gasoline	ND	100	NWTPH-Gx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	73-121				
Client ID:	SW9					
Laboratory ID:	02-084-03					
Gasoline	ND	100	NWTPH-Gx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	73-121				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

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:	DP12-W					
Laboratory ID:	02-084-01					
Diesel Range Organics	ND	0.27	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	0.43	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				

Client ID:	DP15-W					
Laboratory ID:	02-084-02					
Diesel Range Organics	ND	0.30	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	0.48	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				

Client ID:	SW9					
Laboratory ID:	02-084-03					
Diesel Range Organics	ND	0.27	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	0.43	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

VOLATILES by EPA 8260B
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-W					
Laboratory ID:	02-084-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloromethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Vinyl Chloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Acetone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Iodomethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Carbon Disulfide	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methylene Chloride	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Vinyl Acetate	ND	2.0	EPA 8260	2-10-12	2-10-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Butanone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Bromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroform	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Benzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Trichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Dibromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromodichloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	2-10-12	2-10-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Toluene	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

VOLATILES by EPA 8260B
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-W					
Laboratory ID:	02-084-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Tetrachloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Hexanone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Dibromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Ethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
m,p-Xylene	ND	0.40	EPA 8260	2-10-12	2-10-12	
o-Xylene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Styrene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromoform	ND	1.0	EPA 8260	2-10-12	2-10-12	
Isopropylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Propylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
4-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
tert-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
sec-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
p-Isopropyltoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Naphthalene	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>88</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>88</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>85</i>	<i>65-120</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

VOLATILES by EPA 8260B
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-W					
Laboratory ID:	02-084-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloromethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Vinyl Chloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Acetone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Iodomethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Carbon Disulfide	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methylene Chloride	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Vinyl Acetate	ND	2.0	EPA 8260	2-10-12	2-10-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Butanone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Bromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroform	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Benzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Trichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Dibromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromodichloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	2-10-12	2-10-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Toluene	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	

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VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP15-W					
Laboratory ID:	02-084-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Tetrachloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Hexanone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Dibromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Ethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
m,p-Xylene	ND	0.40	EPA 8260	2-10-12	2-10-12	
o-Xylene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Styrene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromoform	ND	1.0	EPA 8260	2-10-12	2-10-12	
Isopropylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Propylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
4-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
tert-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
sec-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
p-Isopropyltoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Naphthalene	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	89	68-120				
<i>Toluene-d8</i>	89	73-120				
<i>4-Bromofluorobenzene</i>	86	65-120				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

VOLATILES by EPA 8260B
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW9					
Laboratory ID:	02-084-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloromethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Vinyl Chloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Acetone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Iodomethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Carbon Disulfide	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methylene Chloride	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Vinyl Acetate	ND	2.0	EPA 8260	2-10-12	2-10-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Butanone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Bromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroform	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Benzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Trichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Dibromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromodichloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	2-10-12	2-10-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Toluene	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
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 Project: 0180-292-00

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SW9					
Laboratory ID:	02-084-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Tetrachloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Hexanone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Dibromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Ethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
m,p-Xylene	ND	0.40	EPA 8260	2-10-12	2-10-12	
o-Xylene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Styrene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromoform	ND	1.0	EPA 8260	2-10-12	2-10-12	
Isopropylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Propylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
4-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
tert-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
sec-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
p-Isopropyltoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Naphthalene	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>87</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>87</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>86</i>	<i>65-120</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

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:	DP12-W					
Laboratory ID:	02-084-01					
n-Nitrosodimethylamine	ND	0.98	EPA 8270	2-10-12	2-10-12	
Pyridine	ND	0.98	EPA 8270	2-10-12	2-10-12	
Phenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
Aniline	ND	4.9	EPA 8270	2-10-12	2-10-12	
bis(2-Chloroethyl)ether	ND	0.98	EPA 8270	2-10-12	2-10-12	
2-Chlorophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,3-Dichlorobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,4-Dichlorobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
Benzyl alcohol	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,2-Dichlorobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
2-Methylphenol (o-Cresol)	ND	0.98	EPA 8270	2-10-12	2-10-12	
bis(2-Chloroisopropyl)ether	ND	0.98	EPA 8270	2-10-12	2-10-12	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.98	EPA 8270	2-10-12	2-10-12	
n-Nitroso-di-n-propylamine	ND	0.98	EPA 8270	2-10-12	2-10-12	
Hexachloroethane	ND	0.98	EPA 8270	2-10-12	2-10-12	
Nitrobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
Isophorone	ND	0.98	EPA 8270	2-10-12	2-10-12	
2-Nitrophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,4-Dimethylphenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
bis(2-Chloroethoxy)methane	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,4-Dichlorophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,2,4-Trichlorobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
Naphthalene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
4-Chloroaniline	ND	0.98	EPA 8270	2-10-12	2-10-12	
Hexachlorobutadiene	ND	0.98	EPA 8270	2-10-12	2-10-12	
4-Chloro-3-methylphenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
2-Methylnaphthalene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
1-Methylnaphthalene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
Hexachlorocyclopentadiene	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,4,6-Trichlorophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,3-Dichloroaniline	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,4,5-Trichlorophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
2-Chloronaphthalene	ND	0.98	EPA 8270	2-10-12	2-10-12	
2-Nitroaniline	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,4-Dinitrobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
Dimethylphthalate	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,3-Dinitrobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,6-Dinitrotoluene	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,2-Dinitrobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
Acenaphthylene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
3-Nitroaniline	ND	0.98	EPA 8270	2-10-12	2-10-12	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-W					
Laboratory ID:	02-084-01					
2,4-Dinitrophenol	ND	4.9	EPA 8270	2-10-12	2-10-12	
Acenaphthene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
4-Nitrophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,4-Dinitrotoluene	ND	0.98	EPA 8270	2-10-12	2-10-12	
Dibenzofuran	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,3,5,6-Tetrachlorophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
2,3,4,6-Tetrachlorophenol	ND	0.98	EPA 8270	2-10-12	2-10-12	
Diethylphthalate	ND	0.98	EPA 8270	2-10-12	2-10-12	
4-Chlorophenyl-phenylether	ND	0.98	EPA 8270	2-10-12	2-10-12	
4-Nitroaniline	ND	0.98	EPA 8270	2-10-12	2-10-12	
Fluorene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
4,6-Dinitro-2-methylphenol	ND	4.9	EPA 8270	2-10-12	2-10-12	
n-Nitrosodiphenylamine	ND	0.98	EPA 8270	2-10-12	2-10-12	
1,2-Diphenylhydrazine	ND	0.98	EPA 8270	2-10-12	2-10-12	
4-Bromophenyl-phenylether	ND	0.98	EPA 8270	2-10-12	2-10-12	
Hexachlorobenzene	ND	0.98	EPA 8270	2-10-12	2-10-12	
Pentachlorophenol	ND	4.9	EPA 8270	2-10-12	2-10-12	
Phenanthrene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
Anthracene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
Carbazole	ND	0.98	EPA 8270	2-10-12	2-10-12	
Di-n-butylphthalate	ND	0.98	EPA 8270	2-10-12	2-10-12	
Fluoranthene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
Benzidine	ND	4.9	EPA 8270	2-10-12	2-10-12	
Pyrene	ND	0.098	EPA 8270/SIM	2-10-12	2-10-12	
Butylbenzylphthalate	ND	0.98	EPA 8270	2-10-12	2-10-12	
bis(2-Ethylhexyl)adipate	ND	4.9	EPA 8270	2-10-12	2-10-12	
3,3'-Dichlorobenzidine	ND	0.98	EPA 8270	2-10-12	2-10-12	
Benzo[a]anthracene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
Chrysene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
bis(2-Ethylhexyl)phthalate	ND	0.98	EPA 8270	2-10-12	2-10-12	
Di-n-octylphthalate	ND	0.98	EPA 8270	2-10-12	2-10-12	
Benzo[b]fluoranthene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
Benzo(j,k)fluoranthene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
Benzo[a]pyrene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
Indeno[1,2,3-cd]pyrene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
Dibenz[a,h]anthracene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
Benzo[g,h,i]perylene	ND	0.0098	EPA 8270/SIM	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	37	18 - 86				
Phenol-d6	30	10 - 88				
Nitrobenzene-d5	66	37 - 112				
2-Fluorobiphenyl	73	42 - 108				
2,4,6-Tribromophenol	71	39 - 118				
Terphenyl-d14	75	49 - 122				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	DP12-W					
Laboratory ID:	02-084-01					
Aroclor 1016	ND	0.048	EPA 8082	2-10-12	2-10-12	
Aroclor 1221	ND	0.048	EPA 8082	2-10-12	2-10-12	
Aroclor 1232	ND	0.048	EPA 8082	2-10-12	2-10-12	
Aroclor 1242	ND	0.048	EPA 8082	2-10-12	2-10-12	
Aroclor 1248	ND	0.048	EPA 8082	2-10-12	2-10-12	
Aroclor 1254	ND	0.048	EPA 8082	2-10-12	2-10-12	
Aroclor 1260	ND	0.048	EPA 8082	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	86	36-127				
Client ID:	DP15-W					
Laboratory ID:	02-084-02					
Aroclor 1016	ND	0.10	EPA 8082	2-10-12	2-10-12	
Aroclor 1221	ND	0.10	EPA 8082	2-10-12	2-10-12	
Aroclor 1232	ND	0.10	EPA 8082	2-10-12	2-10-12	
Aroclor 1242	ND	0.10	EPA 8082	2-10-12	2-10-12	
Aroclor 1248	ND	0.10	EPA 8082	2-10-12	2-10-12	
Aroclor 1254	ND	0.10	EPA 8082	2-10-12	2-10-12	
Aroclor 1260	ND	0.10	EPA 8082	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	81	36-127				
Client ID:	SW9					
Laboratory ID:	02-084-03					
Aroclor 1016	ND	0.053	EPA 8082	2-10-12	2-10-12	
Aroclor 1221	ND	0.053	EPA 8082	2-10-12	2-10-12	
Aroclor 1232	ND	0.053	EPA 8082	2-10-12	2-10-12	
Aroclor 1242	ND	0.053	EPA 8082	2-10-12	2-10-12	
Aroclor 1248	ND	0.053	EPA 8082	2-10-12	2-10-12	
Aroclor 1254	ND	0.053	EPA 8082	2-10-12	2-10-12	
Aroclor 1260	ND	0.053	EPA 8082	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	92	36-127				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**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:	DP15-W					
Laboratory ID:	02-084-02					
Naphthalene	0.10	0.092	EPA 8270/SIM	2-13-12	2-13-12	
2-Methylnaphthalene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
1-Methylnaphthalene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Acenaphthylene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Acenaphthene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Fluorene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Phenanthrene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Anthracene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Fluoranthene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Pyrene	ND	0.092	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[a]anthracene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
Chrysene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[b]fluoranthene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
Benzo(j,k)fluoranthene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[a]pyrene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
Indeno(1,2,3-c,d)pyrene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
Dibenz[a,h]anthracene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[g,h,i]perylene	ND	0.0092	EPA 8270/SIM	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>62</i>	<i>38 - 105</i>				
<i>Pyrene-d10</i>	<i>64</i>	<i>37 - 121</i>				
<i>Terphenyl-d14</i>	<i>78</i>	<i>32 - 112</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**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:	SW9					
Laboratory ID:	02-084-03					
Naphthalene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
2-Methylnaphthalene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
1-Methylnaphthalene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Acenaphthylene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Acenaphthene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Fluorene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Phenanthrene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Anthracene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Fluoranthene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Pyrene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Chrysene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Indeno(1,2,3-c,d)pyrene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>74</i>	<i>38 - 105</i>				
<i>Pyrene-d10</i>	<i>84</i>	<i>37 - 121</i>				
<i>Terphenyl-d14</i>	<i>83</i>	<i>32 - 112</i>				

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-084
Project: 0180-292-00

**TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL**

Date Extracted: 2-10-12
Date Analyzed: 2-10-12

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0210WM1

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	22
Lead	200.8	ND	1.1
Selenium	200.8	ND	5.6
Silver	200.8	ND	11

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-084
Project: 0180-292-00

**TOTAL MERCURY
EPA 7470A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 2-10-12

Date Analyzed: 2-10-12

Matrix: Water

Units: ug/L (ppb)

Lab ID: MB0210W1

Analyte	Method	Result	PQL
Mercury	7470A	ND	0.50

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8
 DUPLICATE QUALITY CONTROL**

Date Extracted: 2-10-12

Date Analyzed: 2-10-12

Matrix: Water

Units: ug/L (ppb)

Lab ID: 02-084-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	11.8	11.4	3	3.3	
Barium	299	270	10	28	
Cadmium	ND	ND	NA	4.4	
Chromium	138	118	16	22	
Lead	12.0	11.6	4	1.1	
Selenium	ND	ND	NA	5.6	
Silver	ND	ND	NA	11	

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-084
Project: 0180-292-00

**TOTAL MERCURY
EPA 7470A
DUPLICATE QUALITY CONTROL**

Date Extracted: 2-10-12

Date Analyzed: 2-10-12

Matrix: Water

Units: ug/L (ppb)

Lab ID: 02-028-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	ND	ND	NA	0.50	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**TOTAL METALS
 EPA 200.8
 MS/MSD QUALITY CONTROL**

Date Extracted: 2-10-12

Date Analyzed: 2-10-12

Matrix: Water

Units: ug/L (ppb)

Lab ID: 02-084-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	222	218	93	219	93	0	
Barium	222	493	87	482	82	2	
Cadmium	222	218	98	218	98	0	
Chromium	222	308	77	314	79	2	
Lead	222	238	102	229	98	4	
Selenium	222	200	90	202	91	1	
Silver	222	211	95	214	97	2	

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-084
Project: 0180-292-00

**TOTAL MERCURY
EPA 7470A
MS/MSD QUALITY CONTROL**

Date Extracted: 2-10-12

Date Analyzed: 2-10-12

Matrix: Water

Units: ug/L (ppb)

Lab ID: 02-028-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	12.5	13.9	111	13.4	107	4	

Date of Report: February 16, 2012
Samples Submitted: February 9, 2012
Laboratory Reference: 1202-084
Project: 0180-292-00

**DISSOLVED METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL**

Date Filtered: 2-9-12
Date Analyzed: 2-10-12

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0209F1

Analyte	Method	Result	PQL
Arsenic	200.8	ND	3.0
Barium	200.8	ND	25
Cadmium	200.8	ND	4.0
Chromium	200.8	ND	10
Lead	200.8	ND	1.0
Mercury	7470A	ND	0.50
Selenium	200.8	ND	5.0
Silver	200.8	ND	10

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 DUPLICATE QUALITY CONTROL**

Date Filtered: 2-9-12
 Date Analyzed: 2-10-12

 Matrix: Water
 Units: ug/L (ppb)

 Lab ID: 02-084-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	3.0	
Barium	ND	ND	NA	25	
Cadmium	ND	ND	NA	4.0	
Chromium	ND	ND	NA	10	
Lead	ND	ND	NA	1.0	
Mercury	ND	ND	NA	0.50	
Selenium	ND	ND	NA	5.0	
Silver	ND	ND	NA	10	

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**DISSOLVED METALS
 EPA 200.8/7470A
 MS/MSD QUALITY CONTROL**

Date Filtered: 2-9-12
 Date Analyzed: 2-10-12

 Matrix: Water
 Units: ug/L (ppb)

 Lab ID: 02-084-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	203	101	203	101	0	
Barium	200	191	95	190	95	1	
Cadmium	200	206	103	203	101	2	
Chromium	200	203	101	203	101	0	
Lead	200	207	103	206	103	0	
Mercury	12.5	12.4	99	12.4	100	0	
Selenium	200	208	104	204	102	2	
Silver	200	200	100	198	99	1	

Date of Report: February 16, 2012
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**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0210W1					
Gasoline	ND	100	NWTPH-Gx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	73-121				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	02-084-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				90	90	73-121		

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**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:	MB0210W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	2-10-12	2-10-12	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				

Analyte	Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE						
Laboratory ID:	02-073-01					
	ORIG	DUP				
Diesel Range Organics	ND	ND		NA	NA	
Lube Oil Range Organics	ND	ND		NA	NA	
<i>Surrogate:</i>						
<i>o-Terphenyl</i>			97 98	50-150		

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

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:	MB0210W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloromethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Vinyl Chloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Acetone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Iodomethane	ND	1.0	EPA 8260	2-10-12	2-10-12	
Carbon Disulfide	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methylene Chloride	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Vinyl Acetate	ND	2.0	EPA 8260	2-10-12	2-10-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Butanone	ND	5.0	EPA 8260	2-10-12	2-10-12	
Bromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chloroform	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Benzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Trichloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Dibromomethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromodichloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	2-10-12	2-10-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Toluene	ND	1.0	EPA 8260	2-10-12	2-10-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	2-10-12	2-10-12	

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0210W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Tetrachloroethene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Hexanone	ND	2.0	EPA 8260	2-10-12	2-10-12	
Dibromochloromethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Chlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
Ethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
m,p-Xylene	ND	0.40	EPA 8260	2-10-12	2-10-12	
o-Xylene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Styrene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromoform	ND	1.0	EPA 8260	2-10-12	2-10-12	
Isopropylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Bromobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Propylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
2-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
4-Chlorotoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
tert-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
sec-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
p-Isopropyltoluene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
n-Butylbenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	2-10-12	2-10-12	
Naphthalene	ND	1.0	EPA 8260	2-10-12	2-10-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>89</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>91</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>65-120</i>				

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0210W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.2	10.8	10.0	10.0	112	108	70-130	4	11	
Benzene	10.3	10.2	10.0	10.0	103	102	75-123	1	8	
Trichloroethene	10.4	10.5	10.0	10.0	104	105	80-113	1	9	
Toluene	10.4	10.5	10.0	10.0	104	105	80-113	1	8	
Chlorobenzene	11.2	11.0	10.0	10.0	112	110	80-115	2	8	
<i>Surrogate:</i>										
Dibromofluoromethane					86	89	68-120			
Toluene-d8					87	91	73-120			
4-Bromofluorobenzene					87	91	65-120			

Date of Report: February 16, 2012
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 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0210W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270	2-10-12	2-10-12	
Pyridine	ND	1.0	EPA 8270	2-10-12	2-10-12	
Phenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
Aniline	ND	5.0	EPA 8270	2-10-12	2-10-12	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270	2-10-12	2-10-12	
2-Chlorophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,3-Dichlorobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,4-Dichlorobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
Benzyl alcohol	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,2-Dichlorobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270	2-10-12	2-10-12	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270	2-10-12	2-10-12	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270	2-10-12	2-10-12	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270	2-10-12	2-10-12	
Hexachloroethane	ND	1.0	EPA 8270	2-10-12	2-10-12	
Nitrobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
Isophorone	ND	1.0	EPA 8270	2-10-12	2-10-12	
2-Nitrophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,4-Dimethylphenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,4-Dichlorophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
Naphthalene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
4-Chloroaniline	ND	1.0	EPA 8270	2-10-12	2-10-12	
Hexachlorobutadiene	ND	1.0	EPA 8270	2-10-12	2-10-12	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
2-Methylnaphthalene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
1-Methylnaphthalene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,3-Dichloroaniline	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
2-Chloronaphthalene	ND	1.0	EPA 8270	2-10-12	2-10-12	
2-Nitroaniline	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,4-Dinitrobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
Dimethylphthalate	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,3-Dinitrobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,6-Dinitrotoluene	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,2-Dinitrobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
Acenaphthylene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
3-Nitroaniline	ND	1.0	EPA 8270	2-10-12	2-10-12	

Date of Report: February 16, 2012
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 Project: 0180-292-00

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0210W1					
2,4-Dinitrophenol	ND	5.0	EPA 8270	2-10-12	2-10-12	
Acenaphthene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
4-Nitrophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,4-Dinitrotoluene	ND	1.0	EPA 8270	2-10-12	2-10-12	
Dibenzofuran	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270	2-10-12	2-10-12	
Diethylphthalate	ND	1.0	EPA 8270	2-10-12	2-10-12	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270	2-10-12	2-10-12	
4-Nitroaniline	ND	1.0	EPA 8270	2-10-12	2-10-12	
Fluorene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270	2-10-12	2-10-12	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270	2-10-12	2-10-12	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270	2-10-12	2-10-12	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270	2-10-12	2-10-12	
Hexachlorobenzene	ND	1.0	EPA 8270	2-10-12	2-10-12	
Pentachlorophenol	ND	5.0	EPA 8270	2-10-12	2-10-12	
Phenanthrene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
Anthracene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
Carbazole	ND	1.0	EPA 8270	2-10-12	2-10-12	
Di-n-butylphthalate	ND	1.0	EPA 8270	2-10-12	2-10-12	
Fluoranthene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
Benzidine	ND	5.0	EPA 8270	2-10-12	2-10-12	
Pyrene	ND	0.10	EPA 8270/SIM	2-10-12	2-10-12	
Butylbenzylphthalate	ND	1.0	EPA 8270	2-10-12	2-10-12	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270	2-10-12	2-10-12	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270	2-10-12	2-10-12	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
Chrysene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
bis(2-Ethylhexyl)phthalate	ND	1.0	EPA 8270	2-10-12	2-10-12	
Di-n-octylphthalate	ND	1.0	EPA 8270	2-10-12	2-10-12	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>49</i>	<i>18 - 86</i>				
<i>Phenol-d6</i>	<i>38</i>	<i>10 - 88</i>				
<i>Nitrobenzene-d5</i>	<i>70</i>	<i>37 - 112</i>				
<i>2-Fluorobiphenyl</i>	<i>73</i>	<i>42 - 108</i>				
<i>2,4,6-Tribromophenol</i>	<i>89</i>	<i>39 - 118</i>				
<i>Terphenyl-d14</i>	<i>80</i>	<i>49 - 122</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**SEMIVOLATILES by EPA 8270D/SIM
 SB/SBD QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limits	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0210W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	16.9	19.1	40.0	40.0	42	48	26 - 60	12	29	
2-Chlorophenol	32.2	35.2	40.0	40.0	81	88	46 - 104	9	34	
1,4-Dichlorobenzene	15.2	16.5	20.0	20.0	76	83	46 - 92	8	29	
n-Nitroso-di-n-propylamine	15.9	18.0	20.0	20.0	80	90	30 - 102	12	25	
1,2,4-Trichlorobenzene	15.7	17.1	20.0	20.0	79	86	45 - 92	9	25	
4-Chloro-3-methylphenol	35.2	39.6	40.0	40.0	88	99	53 - 108	12	18	
Acenaphthene	16.7	19.1	20.0	20.0	84	96	57 - 103	13	15	
4-Nitrophenol	24.3	27.0	40.0	40.0	61	68	21 - 76	11	33	
2,4-Dinitrotoluene	18.1	21.7	20.0	20.0	91	109	60 - 118	18	20	
Pentachlorophenol	35.9	43.6	40.0	40.0	90	109	48 - 119	19	31	
Pyrene	17.6	20.4	20.0	20.0	88	102	62 - 111	15	19	
<i>Surrogate:</i>										
2-Fluorophenol					51	57	18 - 86			
Phenol-d6					40	44	10 - 88			
Nitrobenzene-d5					70	80	37 - 112			
2-Fluorobiphenyl					70	82	42 - 108			
2,4,6-Tribromophenol					80	94	39 - 118			
Terphenyl-d14					75	86	49 - 122			

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**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:	MB0210W1					
Aroclor 1016	ND	0.050	EPA 8082	2-10-12	2-10-12	
Aroclor 1221	ND	0.050	EPA 8082	2-10-12	2-10-12	
Aroclor 1232	ND	0.050	EPA 8082	2-10-12	2-10-12	
Aroclor 1242	ND	0.050	EPA 8082	2-10-12	2-10-12	
Aroclor 1248	ND	0.050	EPA 8082	2-10-12	2-10-12	
Aroclor 1254	ND	0.050	EPA 8082	2-10-12	2-10-12	
Aroclor 1260	ND	0.050	EPA 8082	2-10-12	2-10-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	80		36-127			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0210W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.389	0.431	0.500	0.500	N/A	78	86	57-122	10	11	
<i>Surrogate:</i>											
DCB						83	85	36-127			

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

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:	MB0213W1					
Naphthalene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
2-Methylnaphthalene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
1-Methylnaphthalene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Acenaphthylene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Acenaphthene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Fluorene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Phenanthrene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Anthracene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Fluoranthene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Pyrene	ND	0.10	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[a]anthracene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Chrysene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[b]fluoranthene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[a]pyrene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Indeno(1,2,3-c,d)pyrene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270/SIM	2-13-12	2-13-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorobiphenyl</i>	<i>78</i>	<i>38 - 105</i>				
<i>Pyrene-d10</i>	<i>90</i>	<i>37 - 121</i>				
<i>Terphenyl-d14</i>	<i>85</i>	<i>32 - 112</i>				

Date of Report: February 16, 2012
 Samples Submitted: February 9, 2012
 Laboratory Reference: 1202-084
 Project: 0180-292-00

**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	RPD	RPD	Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0213W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	0.352	0.360	0.500	0.500	70	72	38 - 110	2	35	
Acenaphthylene	0.350	0.395	0.500	0.500	70	79	47 - 120	12	30	
Acenaphthene	0.349	0.374	0.500	0.500	70	75	46 - 113	7	26	
Fluorene	0.373	0.404	0.500	0.500	75	81	58 - 104	8	25	
Phenanthrene	0.370	0.390	0.500	0.500	74	78	61 - 99	5	19	
Anthracene	0.378	0.404	0.500	0.500	76	81	55 - 122	7	19	
Fluoranthene	0.434	0.459	0.500	0.500	87	92	58 - 129	6	18	
Pyrene	0.423	0.442	0.500	0.500	85	88	57 - 126	4	25	
Benzo[a]anthracene	0.408	0.447	0.500	0.500	82	89	51 - 124	9	18	
Chrysene	0.398	0.412	0.500	0.500	80	82	53 - 123	3	20	
Benzo[b]fluoranthene	0.497	0.526	0.500	0.500	99	105	53 - 126	6	18	
Benzo(j,k)fluoranthene	0.461	0.489	0.500	0.500	92	98	51 - 126	6	23	
Benzo[a]pyrene	0.392	0.410	0.500	0.500	78	82	52 - 127	4	21	
Indeno(1,2,3-c,d)pyrene	0.416	0.428	0.500	0.500	83	86	49 - 123	3	26	
Dibenz[a,h]anthracene	0.444	0.465	0.500	0.500	89	93	39 - 125	5	31	
Benzo[g,h,i]perylene	0.441	0.466	0.500	0.500	88	93	40 - 125	6	30	
<i>Surrogate:</i>										
2-Fluorobiphenyl					63	69	38 - 105			
Pyrene-d10					84	86	37 - 121			
Terphenyl-d14					78	77	32 - 112			



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-naphthalene) 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



THE LEADER IN ENVIRONMENTAL TESTING
 One Environmental

TestAmerica Seattle
 5785 8th Street E.
 Tacoma, WA 98424
 Tel. 253-922-2310
 Fax 253-922-5047
 www.testamericainc.com

14648 NE 95th St.
 Redmond, WA 98052
 (425) 883-3881

Rush 4 Days
 Short Hold

Chain of
 Custody Record

Client: GeoEngineers Client Contact: Avron Weisener Date: 2/9/11 Chain of Custody Number: 12708

Address: 1015. Forest Ave #200 Telephone Number (Area Code)/Fax Number: 253, 383-4440 Lab Number: 02-084

City: Tacoma State: WA Zip Code: 98402 Sampler: SD Lab Contact: David Burtchette Billing Contact: David Burtchette

Project Name and Location (State): West-Hilly Metals Contract/Purchase Order/Quote No.: WEST DIB-292-00

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)

Sample I.D. and Location/Description	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Containers & Preservatives	#	Analysis (Attach list if more space is needed)
1 DP12-W	2/8/12	1300												13	RCRA 8 metals - Total RCRA 8 metals - Dissolved NTPH-6x NTPH-DX VOL 82603 SVOCs 82603/82604 PCBs 8082 PAHs low level
2 DP15-W	2/8/12	1445												9	
3 SW-9 SW9	2/4/12	1030												13	

1. HNO₃ only - 1 filtered and unfiltered
 * HNO₃ and unfiltered poly both unfiltered
 * Same as DP15-W for metals

Cooler: Yes No Cooler Temp: _____

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal Return To Client Archive For _____ Months Disposal By Lab

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

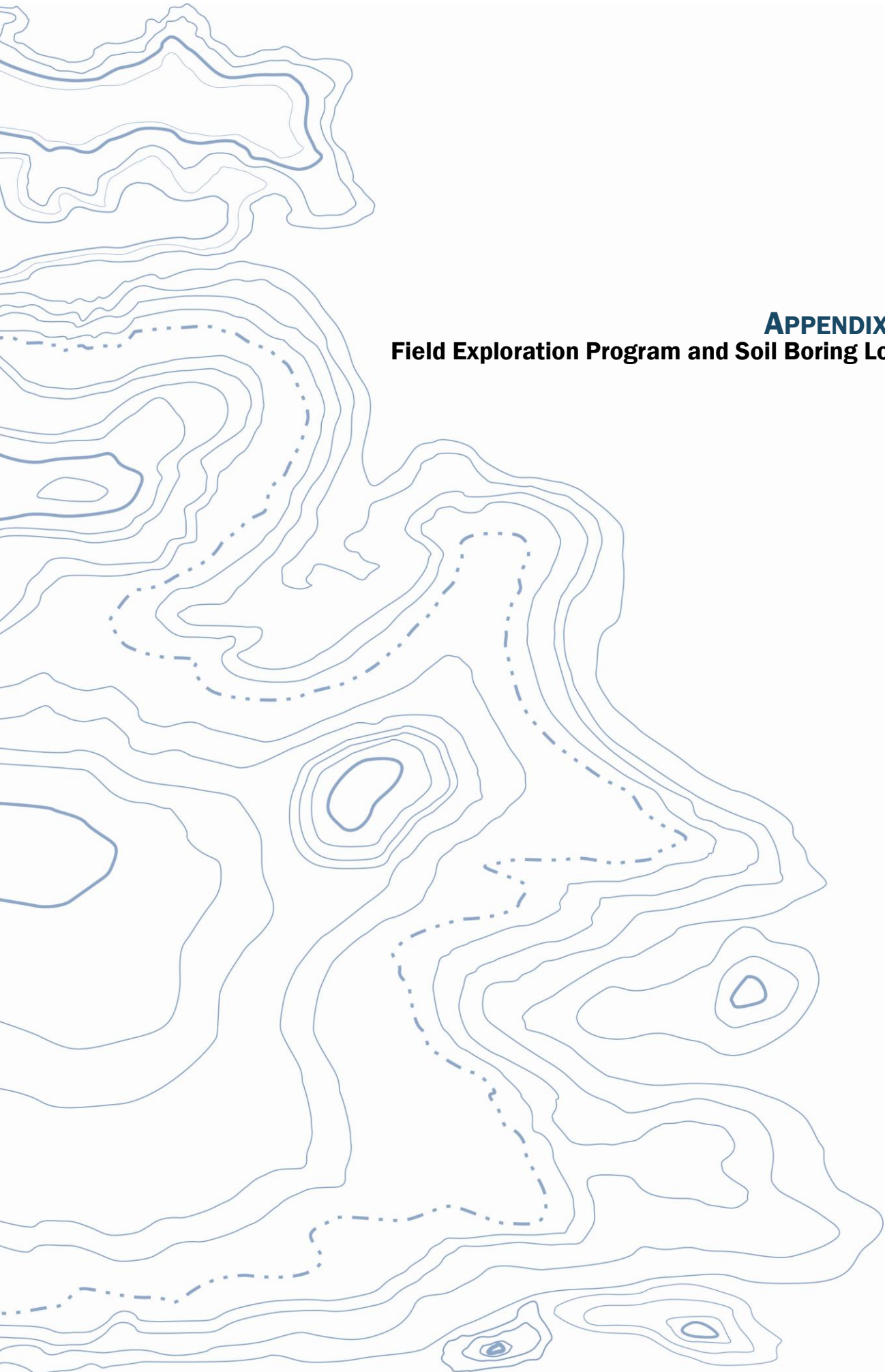
(A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print: [Signature] Date: 2/19/12 Time: 1630 Received By Sign/Print: [Signature] Date: 2/19/12 Time: 1630

2. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

Comments: Not Enough Volume for DP15-W for any follow up analysis.



APPENDIX B
Field Exploration Program and Soil Boring Logs

APPENDIX B

FIELD EXPLORATION PROGRAM AND SOIL BORING LOGS

General

Site conditions were explored by completing 20 direct push soil borings and four hand auger borings, along with sampling three temporary groundwater wells, one permanent groundwater well, surface water present on site and ditch sediment samples to evaluate the potential presence of contaminants in soil, groundwater, surface water and ditch sediment. The site investigation took place in December 2011 and February 2012.

A representative of GeoEngineers selected the locations for borings, observed and classified the soils encountered and prepared a detailed log of each boring. The soils were classified according to the system described in Figure B-1. The exploration logs are presented in Appendix B.

Soil Sampling

Soil samples were collected continuously using direct-push drilling equipment. Soil samples were collected using a 5-foot-long core sampler with acetate liner. The sampler was driven into the soil using a direct push drill rig with a pneumatic hammer. Upon retrieval, the sampler was opened and a GeoEngineers geologist examined the soil and performed field screening tests.

Selected soil samples were collected in glass jars (supplied by the analytical laboratory), labeled and stored in an ice-chest pending delivery to the laboratory. All sampling equipment was decontaminated using an Alconox soap wash and distilled water rinse or disposed of between samples.

Field Screening Methods

Our representative conducted field screening on each of the soil samples obtained from the borings. Field screening results can be used as a general guideline to delineate areas of potential petroleum-related contamination in soils. In addition, screening results are often used as a basis for selecting soil samples for chemical analysis. The screening methods employed included: 1) visual examination, 2) screening for organic vapors and 3) water sheen testing.

Visual screening consists of observing the soil for stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavy petroleum hydrocarbons such as motor oil, or when hydrocarbon concentrations are high. Sheen screening and headspace screening are more sensitive screening methods that can be effective in detecting petroleum-based products in concentrations lower than regulatory cleanup guidelines.

Headspace vapor testing for combustible gases consisted of using a Mini RAE 3000 photoionization detector (PID). Headspace vapor screening involves placing a soil sample in a plastic bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of the Mini RAE 3000 PID is inserted into the bag and the Mini RAE 3000 PID measures the concentration of organic vapors in the sample bag headspace. The Mini RAE 3000 PID is calibrated to isobutylene and is designed to quantify organic vapor concentrations up to

1,000 ppm (parts per million). The lower threshold of significance of the Mini RAE 3000 PID in this application is 10 ppm; however, values of zero were recorded by the instrument.

Water sheen testing involves placing soil in pan of distilled water and observing the water surface for signs of sheen. The results of water sheen testing on soil samples from the borings are presented on the boring logs. Sheens are classified as follows:

No Sheen (NS)	No visible sheen on water surface.
Slight Sheen (SS)	Light colorless film, spotty to globular; spread is irregular, not rapid; areas of no sheen remain; film dissipates rapidly.
Moderate Sheen (MS)	Light to heavy film, may have some color or iridescence, globular to stringy, spread is irregular to flowing; few remaining areas of no sheen on water surface.
Heavy Sheen (HS)	Heavy colorful film with iridescence; stringy, spread is rapid; sheen flows off the sample; most of water surface may be covered with sheen.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% RETAINED ON NO. 200 SIEVE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS <small>(LITTLE OR NO FINES)</small>		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		SW	WELL-GRADED SANDS, GRAVELLY SANDS
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SP	POORLY-GRADED SANDS, GRAVELLY SAND
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SM	SILTY SANDS, SAND - SILT MIXTURES
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY	
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS	
			CH	INORGANIC CLAYS OF HIGH PLASTICITY	
			OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY	
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

	2.4-inch I.D. split barrel
	Standard Penetration Test (SPT)
	Shelby tube
	Piston
	Push Probe
	Bulk or grab

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS		TYPICAL DESCRIPTIONS
GRAPH	LETTER	
	CC	Cement Concrete
	AC	Asphalt Concrete
	CR	Crushed Rock/Quarry Spalls
	TS	Topsoil/Forest Duff/Sod



Measured groundwater level in exploration, well, or piezometer



Groundwater observed at time of exploration



Perched water observed at time of exploration



Measured free product in well or piezometer

Graphic Log Contact



Distinct contact between soil strata or geologic units



Approximate location of soil strata change within a geologic soil unit

Material Description Contact



Distinct contact between soil strata or geologic units



Approximate location of soil strata change within a geologic soil unit

Laboratory / Field Tests

%F	Percent fines
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
OC	Organic content
PM	Permeability or hydraulic conductivity
PP	Pocket penetrometer
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen
NT	Not Tested

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS

Start Drilled 12/13/2011	End 12/13/2011	Total Depth (ft) 15	Logged By Checked By AMW	Driller Cascade Drilling	Drilling Method Direct Push
Surface Elevation (ft) Vertical Datum		Undetermined		Hammer Data	Drilling Equipment Trackmount Geoprobe
Easting (X) Northing (Y)		System Datum		<u>Groundwater</u>	Depth to Water (ft) <u>Elevation (ft)</u>
Notes: 5-foot Continuous Probe with Acetate Liners				Date Measured 12/13/2011	13.0

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS										
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level	Graphic Log	Group Classification							
0		25																		
5		45																		
10		52																		
15																				

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-1



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Tacoma: Date: 7/2/12 Path: P:\00180292\CINTU\0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 12/13/2011	End 12/13/2011	Total Depth (ft)	18	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data			Drilling Equipment		Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			Groundwater			Date Measured	Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS	
	Interval	Depth (feet)	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level
0		41			DP3-0-2			SP-SM	Brown fine to medium sand with silt, occasional fine to coarse gravel, red tail light lens and wire in soil (moist)	SS	
								ML	Light brown orange mottled sandy silt, occasional fine gravel (moist)	SS	
								SP	Light brown fine to medium sand, trace silt (moist)	SS	
					DP3-3-4			ML	Light brown to orange fine sandy silt, occasional fine gravel (moist)	SS	
5		60								NS	
									Becomes mostly orange	NS	
										NS	
10		60			DP3-9-10					NS	
									Becomes gray	NS	
										NS	
										NS	
15		36								NS	
										NS	
										NS	

Refusal at 18 feet

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-3



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-3
 Sheet 1 of 1

Tacoma: Date: 7/2/12 Path: P:\00180292\CINT\0180292.GPJ DBTTemplate\LBTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 12/13/2011	End 12/13/2011	Total Depth (ft)	20	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			Groundwater		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing				
0	30				DP4-0-2			SM	Dark brown fine silty sand with gravel (debris, trash, carbonized wood) (moist)	
								ML	Orange-brown to gray mottled fine sandy silt, moderately laminated (moist)	SS 0.0
									Becomes orange-brown	NS
5	60				DP4-5-6				Becomes gray-brown with pockets of orange	NS 0.0
									Becomes gray	NS 0.0
10	60									NS 0.0
										NS 0.0
15	60									NS 0.0
										NS 0.0
20									Refusal at 20 feet	NS

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-4



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-4
 Sheet 1 of 1

Drilled	Start 12/13/2011	End 12/13/2011	Total Depth (ft)	18	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push		
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data			Drilling Equipment		Trackmount Geoprobe	
Easting (X) Northing (Y)			System Datum			Groundwater			Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners												

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS	
	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					Graphic Log
0	14			DP5-0-2			SM	Dark brown silty fine to medium sand with gravel, wood, trash (concrete rubble) (moist)	NS		
									SS	0.0	
5	39			DP5-6-7			ML	Light brown to orange fine sandy silt (moist)	NS	0.0	
									NS	0.0	
									NS	0.0	
									NS	0.0	
10	60							Grades to brown Becomes gray	NS	0.0	
									NS	0.0	
									NS	0.0	
									NS	0.0	
15	36			DP5-14-15			SP	Light yellow-brown fine to medium sand, trace silt	NS	0.0	
							ML	Gray fine sandy silt, moderately laminated (moist)	NS	0.0	
									NS	0.0	
									NS	0.0	

Refusal at 18 feet

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-5



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Tacoma: Date: 7/2/12 Path: P:\00180292\CINTU0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 12/13/2011	End 12/13/2011	Total Depth (ft)	15	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			Groundwater		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners						12/13/2011		11.5			

Elevation (feet)	FIELD DATA					Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing							
0		47			DP6-0-2		SP-SM	Dark brown fine to coarse sand with silt and trash (moist)	SS			
							SP	Mottled fine to medium sand, trace silt (moist)	SS	0.0		
					DP6-3.5-4.5							
5		46					SM	Orange-brown to gray fine silty sand, occasional gravel (moist)	NS	0.0		
							SP	Light brown fine to medium sand, trace silt (moist)	NS			
							SP-SM	Gray-brown fine to medium sand with silt, occasional fine gravel (moist)		0.0		
10		60					SP	Gray-brown to orange fine to medium sand, trace silt (moist)	NS	0.0		
					DP6-11.5-12.5		ML	Light brown fine sandy silt				
							SP	Light brown fine to medium sand (wet)	NS			
							SM	Brown silty fine sand (moist)				
							SP	Gray-brown fine to medium sand, trace silt (moist to dry)		0.0		
15								Refusal at 15 feet	NS			

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-6



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-6
 Sheet 1 of 1

Tacoma: Date: 7/2/12 Path: P:\00180292\CINTU\0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 12/14/2011	End 12/14/2011	Total Depth (ft)	15	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			Groundwater		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS		
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level	Graphic Log
0		20			DP7-0-2			SM	Light brown to orange fine silty sand with fine to coarse gravel (moist)	SS	0.0	
5		48			DP7-5-6			SM/ML	Orange-brown fine sand with silt to fine sandy silt, moderately laminated (moist)	NS	0.0	
									Becomes gray	NS		
10		60								NS	0.0	
										NS	0.0	
15									Refusal at 15 feet	NS	0.0	

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-7



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-7
 Sheet 1 of 1

Start Drilled 12/14/2011	End 12/14/2011	Total Depth (ft) 15	Logged By Checked By AMW	Driller Cascade Drilling	Drilling Method Direct Push
Surface Elevation (ft) Vertical Datum		Undetermined		Hammer Data	
Easting (X) Northing (Y)		System Datum		Drilling Equipment Trackmount Geoprobe	
Notes: 5-foot Continuous Probe with Acetate Liners				Groundwater Date Measured	
				Depth to Water (ft)	
				Elevation (ft)	

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS		
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level	Graphic Log
0		29			DP8-0-2			SM	Dark brown silty sand with fine to coarse gravel, scrap iron/trash (moist)	SS	0.0	
					DP8-2-3			SP/SM	Light orange-brown fine to coarse sand with gravel, trace silt (moist)	NS		
								ML	Orange-brown mottled sandy silt with pockets of light gray (moist)	NS		
5		49							Becomes gray	NS	0.0	
					DP8-8-9					NS		
10		60								NS		
										NS	0.0	
										NS	0.0	
15									Refusal at 15 feet	NS		

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-8



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-8
 Sheet 1 of 1

Tacoma: Date: 7/2/12 Path: P:\00180292\CINTU\0180292.GPJ DBT Template\LT Template: GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 12/14/2011	End 12/14/2011	Total Depth (ft)	15	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data			Drilling Equipment		Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			Groundwater		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing				
0			42							
					DP9-0-2				OL	Dark brown organic-rich silt with sand
									ML	Orange-brown to gray mottled sandy silt with moderate plasticity (moist)
5			60							
					DP9-6-7					
10			60							Becomes gray
15										Refusal at 15 feet

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-9



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Tacoma: Date: 7/2/12 Path: P:\00180292\CINTU\0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 12/14/2011	End 12/14/2011	Total Depth (ft)	15	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			<u>Groundwater</u>		<u>Date Measured</u>		<u>Depth to Water (ft)</u>	<u>Elevation (ft)</u>
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA					Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing							
0		38			DP10-0-2		SP-SM	Dark brown fine to coarse sand with silt and gravel (moist)	SS+MS	0.0		
							SM	Gray-brown fine silty sand with carbonized wood				
							SP	Orange-brown fine to medium sand, trace silt, moderately laminated	NS	0.0		
5		52			DP10-6-7			Grades to light brown	NS	0.0		
								Becomes wet				
							SP-SM	Gray-brown fine to medium sand with silt, with fine to coarse gravel (moist)	NS	0.0		
									NS			
10		24					SW-SM	Light gray-brown fine to coarse sand with silt with gravel (moist) (till)	NS	0.0		
									NS			
									NS	0.0		
					DP10-13-15				NS			
15									NS	0.0		
<p>Could not remove sampler from 10 to 15 feet, left in place; collected the 10- to 15-foot interval from a second probe immediately adjacent to the original stuck probe. Refusal at 15 feet</p>												

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-10



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-10
 Sheet 1 of 1

Tacoma: Date: 7/2/12 Path: P:\00180292\CINTU0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 12/14/2011	End 12/14/2011	Total Depth (ft)	10	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			<u>Groundwater</u>		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level				
0		44			DP11-0-2		SW-SM	Dark brown fine to coarse sand with silt with gravel (moist)	SS	
					DP11-2-3.5		SP-SM	Dark gray fine to medium sand with silt, carbonized wood (moist)	SS	0.0
							SM	Light orange-brown to gray fine to medium silty sand, occasional gravel (moist)	NS	0.0
5		36			DP11-6-8		GP	Coarse gravel with sand, trace silt (moist)	NS	
10									NS	

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-11



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-11
 Sheet 1 of 1

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	9	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push			
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe		
Easting (X) Northing (Y)			System Datum			<u>Groundwater</u>		Date Measured		2/8/2012	Depth to Water (ft)	4.0	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners													

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS	
	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					
0		44		DP12-0-2			SP			Light brown fine to coarse sand, occasional fine gravel, trace silt (moist) Becomes with silt (moist) Becomes trace silt (wet) Brown silty sand with fine to coarse gravel (moist) Refusal at 9 feet	
				DP12-2.5-3.5			SP-SM		SS		0.0
									SS		0.0
5		42		DP12-5-7.5			SP		NS		0.0
									NS		0.0
							SM			0.0	

Probe screen set at 4 feet to 9 feet for groundwater sample

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-12



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-12
 Sheet 1 of 1

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	15	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			Groundwater		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					
0	18			DP13-0-1.5			SM	Dark brown silty sand with fine to coarse gravel (moist)	NS	0.0	
5	60			DP13-5-7			SM	Orange-brown to gray fine silty sand (moist)	NS	0.0	
10	0			DP13-8-10				Becomes gray	NS	0.0	
15								No recovery possible rock pushed ahead of probe, hard probing	NS		
Refusal at 15 feet											

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-13



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-13
 Sheet 1 of 1

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	10	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			<u>Groundwater</u>		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners						2/8/2012		3.0			

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing				
0			34							
5			60							
10										

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-15



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Tacoma: Date: 7/2/12 Path: P:\00180292\CINT\0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	10	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			Groundwater		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS	
	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					Graphic Log
0		43			DP16-0-2		SW-SM	Dark brown fine to coarse sand with fine to coarse gravel with silt (moist)	SS	0.0	
					DP16-2-3		SM	Orange-brown to gray fine silty sand (moist)	NS	0.0	
5		60						Becomes gray	NS	0.0	
10								Refusal at 10 feet	NS	0.0	

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-16



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-16
 Sheet 1 of 1

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	10	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined		Hammer Data		Drilling Equipment				Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum		Groundwater		Date Measured		Depth to Water (ft)		Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS	
	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level					Graphic Log
0		36			DP17-0-2		SW-SM		NS		Brown fine to coarse sand with fine to coarse gravel with silt (moist)
					DP17-2-3		SM		0.0		Orange-brown to gray fine silty sand (moist)
5		40			DP17-5-7				NS		
									NS	0.0	
									NS	0.0	Becomes light gray
10											Refusal at 10 feet

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-17



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Figure B-17
 Sheet 1 of 1

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	5	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			<u>Groundwater</u>		<u>Date Measured</u>		<u>Depth to Water (ft)</u>	<u>Elevation (ft)</u>
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS			
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level	Graphic Log	Group Classification
0			48						SW-SM	Dark brown fine to coarse sand with gravel with silt (moist)	SS		
									SP	Light brown fine to medium sand, occasional gravel, trace silt (moist)	NS		
									SM	Light brown/orange to gray fine silty sand (moist)			
5													

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-18



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	5	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			<u>Groundwater</u>		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS											
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level	Graphic Log	Group Classification								
0			38																		
5																					

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-19



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	5	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push	
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data		Drilling Equipment			Trackmount Geoprobe
Easting (X) Northing (Y)			System Datum			<u>Groundwater</u>		Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners											

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS		
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level	Graphic Log
0			40					SM	Brown fine to medium silty sand with brick, glass, wood debris (moist)	SS	0.0	
								SP	Fine to medium sand, trace silt (moist)	NS		
									Light brown to orange and gray fine silty sand (moist)	NS	0.0	
5												

Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-20



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Tacoma: Date: 7/2/12 Path: P:\00180292\CINT\0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD

Drilled	Start 2/8/2012	End 2/8/2012	Total Depth (ft)	5	Logged By Checked By	AMW	Driller	Cascade Drilling	Drilling Method	Direct Push		
Surface Elevation (ft) Vertical Datum			Undetermined			Hammer Data			Drilling Equipment		Trackmount Geoprobe	
Easting (X) Northing (Y)			System Datum			Groundwater			Date Measured		Depth to Water (ft)	Elevation (ft)
Notes: 5-foot Continuous Probe with Acetate Liners												

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS											
	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					Water Level	Graphic Log	Group Classification								
0			48																		
5																					

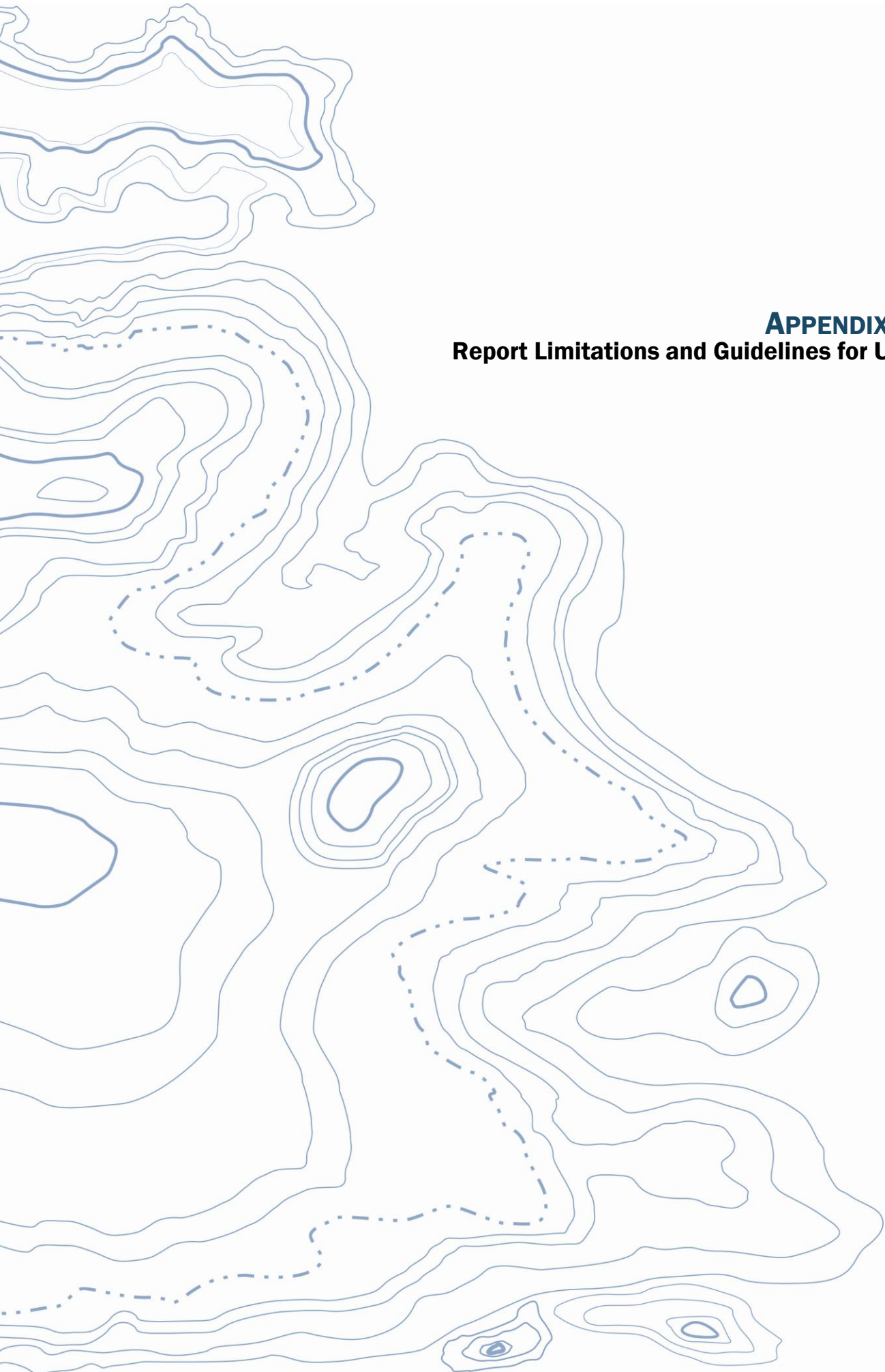
Note: See Figure B-1 for explanation of symbols.

Log of Boring DP-21



Project: Midway Metals
 Project Location: Sequim, Washington
 Project Number: 0180-292-00

Tacoma: Date: 7/2/12 Path: P:\00180292\CINT\0180292.GPJ DBTTemplate\LTTemplate\GEOENGINEERS8.GDT\GEB_ENVIRONMENTAL_STANDARD



APPENDIX C
Report Limitations and Guidelines for Use

APPENDIX C REPORT LIMITATIONS AND GUIDELINES FOR USE²

This appendix provides information to help you manage your risks with respect to the use of this report.

Environmental Services are Performed for Specific Purposes, Persons and Projects

This report has been prepared for use by Washington Department of Transportation (WSDOT). This report is not intended for use by others, and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except WSDOT should rely on this environmental report without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

This Environmental Report is Based on a Unique Set of Project-Specific Factors

This report has been prepared for WSDOT for the US 101 Midway Metals Site located in Clallam County, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this report, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

Reliance Conditions for Third Parties

If a lending agency or other parties intend to place legal reliance on the product of our services, we require that those parties indicate in writing their acknowledgement that the scope of services provided, and the general conditions under which the services were rendered including the limitation of professional liability, are understood and accepted by them. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions.

² Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

Environmental Regulations are Always Evolving

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

Subsurface Conditions can Change

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying this report to determine if it is still applicable.

Topsoil

For the purposes of this report, we consider topsoil to consist of generally fine-grained soil with an appreciable amount of organic matter based on visual examination, and to be unsuitable for direct support of the proposed improvements. However, the organic content and other mineralogical and gradational characteristics used to evaluate the suitability of soil for use in landscaping and agricultural purposes was not determined, nor considered in our analyses. Therefore, the information and recommendations in this report, and our logs and descriptions should not be used as a basis for estimating the volume of topsoil available for such purposes.

Most Environmental Findings are Professional Opinions

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

Do Not Redraw the Exploration Logs

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design drawings. Only photographic or electronic reproduction is acceptable, but recognize that separating logs from the report can elevate risk.

Read These Provisions Closely

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than

other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory “limitations” provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these “Report Limitations and Guidelines for Use” apply to your project or site.

Geotechnical, Geologic and Geoenvironmental Reports Should Not Be Interchanged

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

Biological Pollutants

GeoEngineers’ Scope of Work specifically excludes the investigation, detection, prevention, or assessment of the presence of Biological Pollutants in or around any structure. Accordingly, this report includes no interpretations, recommendations, findings, or conclusions for the purpose of detecting, preventing, assessing, or abating Biological Pollutants. The term “Biological Pollutants” includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and/or any of their byproduct.