



May 31, 2013

Mr. Tim Greenway
Senior Specialist, Global Environmental Health, Safety, & Security
The Scotts Company LLC
14111 Scottslawn Road
Marysville, Ohio 43041

**RE: Limited Phase II Subsurface Investigation
Former Pacific Coast Feather Facility
14524 40th Avenue NE
Marysville, Snohomish County, Washington**

Dear Mr. Greenway:

Partners Environmental Consulting, Inc. ("Partners") was contracted by The Scotts Company, LLC (User/Client) to conduct a Limited Phase II Subsurface Investigation at the former Pacific Coast Feather facility located at 14524 40th Avenue NE, Marysville, Washington ("Property"). **Figure 1** is presented as a Property Location Map. **Figure 2** is presented as a Soil Boring and Sample Location Map.

1.0 PROJECT BACKGROUND

In April 2013, Partners conducted a Phase I Environmental Site Assessment ("ESA") of the Property. The findings of the Phase I ESA were presented in a report titled *Phase I Environmental Site Assessment, Former Pacific Coast Feather Facility, 14524 40th Avenue NE, Marysville, Snohomish County, Washington* and dated April 17, 2013. The Phase I ESA revealed no evidence of Recognized Environmental Conditions ("RECs") in connection with the Property, except for the following:

Property

- **Historic Boat Manufacturing Operations:** The Property was developed and utilized for fiberglass boat fabrication, generally on the central portion of the Property, from the late 1960s to the late 1980s. Areas of concern associated with this operation at the Property included drum storage areas, resin tanks, an acetone underground storage tank ("UST") and oil/water separators. Previous environmental reports completed for the Property, as discussed in the Phase I report, found that styrene was detected in soil at elevated concentrations. Site observations by Partners indicated that two (2) oil/water separators are still present at the Property. Snohomish County Health Department ("SCHD") records indicate that the Property was previously serviced by a supply well and septic system. In addition, the Property was formerly identified as a generator of hazardous waste. Based on Partners' experience, hazardous substances and/or petroleum products may have been used in fiberglass boat fabrication operations, which had the potential to adversely impact the Property.
- **Historic Feather Processing Operations:** The central portion of the Property was developed and utilized for feather processing from the late 1980s to approximately 2008. Previous environmental reports completed for the Property found that historic feather processing operations had the potential to adversely impact the Property. Areas of concern identified at the Property included drum storage areas, oil spillage and oil/water separators. The Property was identified in the Resource Conservation and Recovery Act ("RCRA") database as a generator of hazardous waste. Based on Partners' experience, hazardous substances and/or petroleum products may

Partners Environmental Consulting, Inc.

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have been used in feather processing operations, which had the potential to adversely impact the Property.

- **Historic Engine Recycling Operations:** The central portion of the Property was utilized for engine recycling purposes in the early 1990s. Previous environmental reports completed for the Property found that these operations had the potential to adversely impact the Property. Areas of concern identified at the Property included drum storage areas with oil spillage, an engine dismantling area with oil spillage and burn piles, and an engine storage area with an oily sheen on standing water. Based on Partners' experience, hazardous substances and/or petroleum products may have been used in engine recycling operations, which had the potential to adversely impact the Property.

Adjacent and Surrounding Sites

- **Northend Truck Equipment, Inc., 14919 40th Avenue NE:** This facility adjoins the Property to the northeast across 40th Avenue NE and is hydraulically upgradient to crossgradient in the inferred direction of groundwater flow from the Property. The facility is identified as a RCRA - Conditionally Exempt Small Quantity Generator ("CESQG"). Seven (7) written informal enforcement actions have been issued to this facility from 2007 to 2011, which resulted in seven (7) on-site compliance evaluation inspections. Hazardous waste identified at the facility included ignitable waste, methyl ethyl ketone and spent non-halogenated solvents. Based on the proximity and location relative to the Property (hydraulically upgradient to crossgradient), there is a potential that a release (if any) at this facility has adversely impacted the Property.

2.0 LIMITED SUBSURFACE INVESTIGATION ACTIVITIES

Partners advanced 21 soil borings (B-1 through B-21) and obtained soil samples from the Property on April 30 through May 2, 2013. A total of 10 groundwater samples were collected from temporary sample points installed at borings B-1, B-3, B-6, B-8, B-10, B-11, B-15, B-17, B-19 and B-20. In addition, three (3) concrete samples were obtained from areas of the interior building floor slab at borings B-12, B-13 and B-15. Soil boring, groundwater and concrete sample locations and analyses are summarized in **Table 1**. Soil boring and sample locations are presented on **Figure 2**.

2.1 Soil Boring Installation and Sampling

Soil borings were advanced using a track-mounted, direct push technology (Geoprobe™) sampling system. The borings were sampled continuously from the ground surface or below concrete floors to depths of 10 feet below ground surface ("bgs"). The Geoprobe™ drives a two (2)-inch outside diameter, stainless steel tube containing a new disposable acetate liner into the subsurface to continuously obtain soil samples. The soil is forced into the liner at continuous five (5)-foot intervals, and is then retrieved to the surface. Each five (5)-foot soil sample was visually observed, sampled, logged, and classified according to the Unified Soil Classification System ("USCS") by a member of Partners' field staff. All boring installation work was performed by a Washington-bonded and licensed monitoring well constructor. The borings were completed in accordance with the Washington Administrative Code ("WAC") for the Minimum Standards for Construction and Maintenance of Wells (WAC Chapter 173-160) and General Requirements for Resource Protection Well Construction and Geotechnical Soil Borings (WAC Chapter 173-160-400).

Soil samples were divided into two (2) portions. One (1) portion was collected in new two (2)-ounce or four (4)-ounce, pre-cleaned glass jars with Teflon® septums, and the second portion was placed in a new re-sealable plastic bag for field screening purposes. Samples collected in the glass jars were labeled and placed in a cooler containing ice, pending submission to a qualified analytical laboratory for chemical analysis.

New disposable nitrile gloves were worn and changed between each sample to prevent possible cross-contamination. The stainless steel sampling equipment was decontaminated between boring with an Alconox® detergent rinse and power washer. The location of each boring is depicted on **Figure 2** and soil boring logs are provided in **Attachment A**.

Soil samples were field screened with a MiniRAE 3000 Photoionization Detector (“PID”), manufactured by RAE Systems, for the presence of organic vapors. The detector was calibrated prior to field activities using a known concentration of a gas standard in accordance with the manufacturers’ specifications. Soil sample PID readings are included on the soil boring logs in **Attachment A**.

Borings were abandoned at the completion of field activities by filling each boring to grade with bentonite chips, which were subsequently hydrated. The surface at each boring location was patched with a like surfacing material (e.g., concrete or soil). Excess soil cuttings were placed in one (1) 55-gallon drum and temporarily staged on-site pending waste characterization results.

Select soil samples were submitted to the laboratory based on visual observations, odors, the specific area being assessed, the depth, and PID readings. The soil samples were analyzed for one (1) or more of the following parameters:

- Volatile Organic Compounds (“VOCs”) by United States Environmental Protection Agency (“EPA”) Method 8260, (21 samples),
- Semi-Volatile Organic Compounds (“SVOCs”) by EPA Method 8270 (eight [8] samples),
- Polynuclear Aromatic Hydrocarbons (“PAHs”) by EPA Method 8270 (12 samples),
- Resource Conservation and Recovery Act (“RCRA”) 8 Metals EPA Methods 6010/7470 (nine [9] samples),
- Polychlorinated Biphenyls (“PCBs”) EPA Method 8082 (three [3] samples), and
- Total Petroleum Hydrocarbons (“TPH”) by Method NWTPHGX (C₆-C₁₀) and NWTPHDX (C₁₀-C₂₀, C₂₀-C₄₀) (seven [7] samples).

Soil samples were submitted for analysis in a cooler containing ice, under appropriate chain-of-custody control, to Environmental Sciences Corporation (“ESC” – Laboratory ID C847) located in Mt. Juliet, Tennessee. The laboratory analytical report is included in **Attachment B**. Soil analytical results are summarized in **Table 2** through **Table 4**.

2.2 Groundwater Sampling and Analyses

A total of 10 groundwater samples were collected from borings B-1, B-3, B-6, B-8, B-10, B-11, B-15, B-17, B-19 and B-20. Groundwater samples were obtained from a temporary, four (4) foot long, stainless steel well point with a 10-slot screen. The temporary well point was lowered approximately three and a half (3.5) feet into the saturated zone leaving the top of the well screen above groundwater. Groundwater was then collected from the temporary well point utilizing a peristaltic pump and disposable polyethylene tubing. Approximately one (1) to two (2) gallons of water were purged from each location prior to sampling. During sampling, Partners observed that the groundwater was initially turbid; however, the groundwater appeared visually clear after purging was completed, prior to sampling. After collecting the groundwater samples, the temporary well point was removed and the boreholes were filled to grade with bentonite chips, which were subsequently hydrated. Purged groundwater was placed in one (1) 55-gallon drum and temporarily staged on-site pending waste characterization results.

Each groundwater sample was collected into two (2) 40-milliliter amber glass vials with hydrochloric acid preservative, two (2) 100-milliliter amber glass jars (no preservative), two (2) 40-milliliter amber glass vials (no preservative), and/or one (1) 500-milliliter plastic bottle with nitric acid preservative. Each sample bottle was immediately sealed, inspected to ensure it was intact (and that no headspace existed, where applicable), labeled, and placed into a cooler containing ice.

The groundwater samples were submitted for laboratory analyses of the following parameters:

- VOCs by EPA Method 8260 (10 samples),
- SVOCs by EPA Method 8270 (four [4] samples),
- PAHs by EPA Method 8270 (six [6] samples), and
- RCRA 8 Metals by EPA Methods 6010/6020/7470 (four [4] samples).

Although the groundwater samples appeared to be clear at the time of sampling, the RCRA 8 metals samples were filtered in the field utilizing a 0.45 micron inline filter to remove potential suspended solids that may cause false positive results.

The groundwater samples were submitted for analysis in a cooler containing ice, under appropriate chain-of-custody control, to ESC located in Mt. Juliet, TN. The laboratory analytical report is included in **Attachment B**. Groundwater analytical results are summarized in **Table 5** through **Table 7**.

2.3 Concrete Sampling and Analyses

Three (3) concrete samples were obtained from the interior building floor slab of Building H at the B-12, B-13 and B-15 boring locations. The concrete star bit utilized by the Geoprobe™ drill rig was used to drill into the concrete floor to a depth of approximately two (2) inches. The concrete powder was collected using a putty knife and placed directly into laboratory supplied glass sample jars with Teflon® lids. The concrete samples were submitted to ESC under chain-of-custody control to be analyzed for PCBs by EPA Method 8082. All concrete sampling equipment was decontaminated between sample locations. Concrete analytical results are summarized in **Table 8**. The laboratory analytical report is included in **Attachment B**.

3.0 POTENTIALLY APPLICABLE REGULATORY PROGRAMS OR GUIDANCE DOCUMENTATION

3.1 State of Washington Department of Ecology

The soil and groundwater analytical results were compared to appropriate cleanup levels established by the Washington State Department of Ecology ("DOE"), Toxics Cleanup Program. As indicated in the attached analytical summary tables, some detected constituents do not have cleanup standards established by the DOE.

Model Toxics Control Act (MTCA)

Initially, the results of soil and groundwater testing were compared to Method A Cleanup Levels as published in the document titled *Model Toxics Control Act Statute and Regulation* (Washington DOE Publication No. 94-06, Revised November 2007). Cleanup standards were established per Method A in accordance with the Model Toxics Control Act ("MTCA") Cleanup Regulation (Chapter 173-340 WAC). According to the MTCA document, Method A provides tables of cleanup levels that are protective of human health for 25 to 30 of the most common hazardous substances found in soil and groundwater (drinking water). This method is typically used at smaller sites where detailed site studies and site specific risk assessments are not warranted.

The results of soil analytical testing were compared to Table 740-1 Method A Soil Cleanup Levels (Unrestricted) and Table 745-1 Method A Soil Cleanup Levels (Industrial). The results of groundwater analytical testing were compared to Table 720-1 Method A Cleanup Levels for Groundwater.

Cleanup Levels and Risk Calculations (CLARC)

Where no Method A Cleanup Levels were available, analytical results were compared to DOE Cleanup Levels and Risk Calculations ("CLARC"). According to the DOE website, CLARC is a web-based compendium of technical information related to the calculation of cleanup levels under the MTCA program. The DOE has compiled and calculated this technical information to assist in the development of cleanup levels. The formula values pre-calculated under standard Method B and provided in CLARC are not cleanup values and are used for comparison purposes only.

Background Metals Concentrations

Metals are naturally occurring in all soils. Therefore, to determine if the metals in soils are from releases or the result of naturally occurring conditions, samples from the Property can be compared to site-specific or regional background concentrations. Because chromium was detected in the soil at the Property in excess of the Method A Cleanup Levels, a comparison to regional background conditions was conducted to provide a weight of evidence demonstration that the concentrations of chromium are naturally occurring and do not pose an increased health risk at the Property.

Therefore, metals concentrations in soil (specifically chromium) were also compared to background levels published in the DOE document titled *Natural Background Soil Metals Concentrations in Washington State* (Washington DOE Publication No. 94-115, October 1994). According to this document, the naturally-occurring levels of chromium present in soils in the Puget Sound Region, which includes Snohomish County, is 48 milligrams per kilogram ("mg/kg").

3.2 Toxic Substances Control Act (TSCA)

The EPA regulates the manufacture, processing, distribution in commerce, use, cleanup, storage and disposal of PCBs. The PCB regulations are promulgated under the Toxic Substances Control Act ("TSCA") and are titled *Disposal of Polychlorinated Biphenyls (PCBs); Final Rule*, effective August 28, 1998. These regulations are commonly referred to as the "PCB Mega-Rule", and are codified as 40 Code of Federal Regulations (CFR) Parts 750 and 761.

Although the Property does not appear to be subject to TSCA regulations, the PCB analytical results of concrete testing were compared to the EPA action levels set forth in 40 CFR 761. According to the regulations, materials that contain PCB concentrations greater than 50 mg/kg must be properly disposed if removed. Materials containing PCB concentrations greater than 50 ppm that were spilled prior to July 1979 and were cleaned up more than 72 hours later must be remediated to a concentration of less than one (1) mg/kg for high occupancy areas, or 25 mg/kg for low occupancy areas. If the origin (time and PCB concentration in the spilled material) is not known, these standards do not apply, but are useful for comparison purposes.

4.0 FINDINGS

4.1 Subsurface Conditions

The ground surface was typically covered with up to five (5) inches of gravel, asphalt or concrete with sporadic base layers consisting of three (3) to six (6) inches of gravel. The subsurface profile may be generalized as consisting of thin layers of fill underlain by undisturbed deposits primarily consisting of interbedded layers of silty sand and sand to depths of 10 feet bgs. Bedrock was not encountered at any of the boring locations. Soil boring logs are provided in **Attachment A**.

Fill material described as brown silty clay and gravel was encountered at borings B-1 through B-5 to depths up to two and one-half (2.5) feet bgs. Fill material consisting of brown silty fine sand and/or brown fine to medium sand was encountered at B-9 and B-17 to a depth of less than one (1) foot bgs. No apparent fill was encountered at the remaining boring locations.

The undisturbed soils generally consisted of interbedded brown silty fine sand, brown or gray fine sand and brown fine to coarse sand with varying amounts of gravel extending to depths ranging from four (4) to eight (8) feet bgs, followed by gray fine to coarse sand with varying amounts of gravel and white quartz fragments to the terminal depth (10 feet bgs) of the borings. Brown clayey sand seams up to one (1) foot thick were encountered at B-2, B-9, B-11, B-14, B-15 and B-19 at depths ranging from three (3) to four (4) feet bgs. No odors or staining indicative of chemical or petroleum compounds were observed. PID readings were predominantly less than one (1) part per million (ppm) with a high of 8.6 ppm.

Groundwater was present at all boring locations at depths ranging from two (2) to four (4) feet bgs.

4.2 Soil Analytical Results

A summary of analytical results for the soil testing is presented in **Tables 2** through **4**. The laboratory analytical report is provided in **Attachment B**.

VOCs: Analytical testing indicates that five (5) VOC analytes including acetone, benzene, 2-butanone (MEK), ethylbenzene and tetrachloroethene were present in the soil at concentrations above laboratory practical quantitation limits ("PQLs"). However, the detected concentrations were below their respective Method A Cleanup Levels (where applicable) and/or CLARC comparison values. The PQLs for VOC analytical testing were below the cited comparison standards, where applicable. The VOC analytical results are summarized in **Table 2**.

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SVOCs: One (1) SVOC analyte (dimethyl phthalate) was present in soil samples from B-6 (0-2 feet) and B-18 (2-4 feet) at concentrations above PQLs. No Method A Cleanup Levels or CLARC values have been established for this analyte. No SVOCs were present at concentrations above PQLs in any of the remaining samples submitted for analytical testing. The PQLs for SVOC analytical testing were below the cited comparison standards, where applicable. The SVOC analytical results are summarized in **Table 3**.

PAHs: The results of analytical testing indicate that no PAH analytes were present in the soil samples submitted for analytical testing at concentrations above the PQLs. The PQLs for PAH analyses were below the cited comparison standards. The results of soil PAH testing are summarized in **Table 4**.

RCRA 8 Metals: All RCRA 8 metals analytes including arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver were detected at concentrations above laboratory PQLs in one (1) or more of the soil samples tested for metals. With the exception of chromium (total), all detected concentrations were below their respective Method A Cleanup Levels (where applicable) and/or CLARC comparison values.

Total chromium was present in soil samples from B-1, B-3, B-6, B-10, B-11 and B-17 at concentrations ranging from 32 to 43 mg/kg and exceeded the chromium VI Method A Cleanup Level of 19 mg/kg. However, the detected concentrations are below the naturally-occurring background level for chromium (48.15 mg/kg) in the Puget Sound Region, which includes the area of the Property.

The laboratory PQLs for the RCRA 8 Metals soil analyses were below the cited comparison standards. The results of soil RCRA 8 Metals testing are summarized in **Table 4**.

TPH: The results of analytical testing indicate that no gasoline-range [NWTPHGX (C₆-C₁₀)] petroleum hydrocarbons were present in the soil samples submitted for analytical testing at concentrations above the PQLs. Diesel-range [NWTPHDX (C₁₀-C₂₀)] and oil-range [NWTPHDX (C₂₀-C₄₀)] petroleum hydrocarbons were present in the soil at one (1) location at concentrations above laboratory PQLs. However, the detected concentrations were below their respective Method A Cleanup Levels. The PQLs for TPH testing were below the Method A Cleanup Levels. The results of soil TPH testing are summarized in **Table 4**.

PCBs: PCBs were not present in any of the soil samples at concentrations above laboratory PQLs. The PQLs for PCB analyses were below the Method A Cleanup Levels. The soil PCB testing results are summarized in **Table 4**.

4.3 Groundwater Analytical Results

A summary of analytical results for the groundwater testing is presented in **Tables 5** through **7**. The laboratory analytical report is provided in **Attachment B**.

VOCs: The results of analytical testing indicate that one (1) VOC analyte (tetrachloroethene) was present in a groundwater sample at a concentration above the laboratory PQLs. No other VOCs were present in any groundwater sample at concentrations above laboratory PQLs. Tetrachloroethene was present in the groundwater sample collected from boring B-8 at a concentration of 8.6 micrograms per liter (ug/l). The detected tetrachloroethene concentration slightly exceeds the Method A Cleanup Level of 5 ug/l, but was below the CLARC standard formula Method B comparison value of 20.8 ug/l.

The PQLs for 1,2-dibromoethane and vinyl chloride were above the respective Method A Cleanup Levels. The PQLs for several additional VOC analytes were above their respective CLARC comparison values.

The results of groundwater VOC testing are summarized in **Table 5**.

SVOCs: The results of analytical testing indicate that one (1) SVOC analyte (bis[2-ethylhexyl]phthalate) was present in a groundwater sample at a concentration above PQLs. No other SVOC analytes were present in any groundwater sample at concentrations above laboratory PQLs. Bis[2-ethylhexyl]phthalate was present in the groundwater sample collected from boring B-6 at a concentration of 4.9 ug/l, but was below the CLARC standard formula Method B comparison value of 6.25 ug/l.

The PQL for benzo(a)pyrene was above the respective Method A Cleanup Level. The PQLs for several additional SVOC analytes were above their respective CLARC comparison values.

The results of groundwater SVOC testing are summarized in **Table 6**.

PAHs: The analytical results indicate that no PAH analytes were present in the groundwater samples submitted for analytical testing at concentrations above the laboratory PQLs. The PQLs for two (2) PAH analytes were above their respective CLARC Method B comparison values. The results of groundwater PAH testing are summarized in **Table 7**.

RCRA 8 Metals: Three (3) RCRA 8 metals (arsenic, barium and silver) were present in the groundwater at concentrations above laboratory PQLs. The detected concentrations of barium and silver were below their respective CLARC Method B values cited for comparison. The concentration of arsenic in the groundwater sample collected from boring B-15 (15 ug/l) exceeds the Method A Cleanup Level of 5 ug/l.

All PQLs were equal to or below the cited comparison values. The results of groundwater RCRA 8 Metals testing are summarized on **Table 7**.

4.4 Concrete Analytical Results

A summary of analytical results for the concrete testing is presented on **Table 8**. The laboratory analytical report is provided in **Attachment B**.

PCBs: The results of analytical testing indicate that no PCBs were present in the concrete samples submitted for analytical testing at concentrations above the PQLs or the cited comparison standards.

5.0 LIMITATIONS AND EXCEPTIONS TO THIS INVESTIGATION

The analytical results and conclusions presented in this letter report are based on the installation of 21 soil borings, collection of 10 groundwater samples and collection of three (3) concrete samples. Although the results presented above provide a reasonable indication of subsurface conditions in the areas evaluated, they may not be indicative of soil or groundwater conditions in areas of the Property not evaluated by Partners.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Limited Phase II Subsurface Investigation activities and information contained in this letter report, Partners presents the following conclusions and recommendations regarding the Property.

6.1 Soil

The results of soil analytical testing indicate that no VOCs, SVOCs, PAHs, RCRA 8 metals, TPH or PCBs were present in the soil at concentrations above the cited comparison values or background values, where applicable.

One (1) SVOC analyte, dimethyl phthalate, was detected in two (2) soil samples at concentrations above laboratory PQLs; however, no Method A Cleanup Levels or CLARC values have been established for this analyte. Dimethyl phthalate may be utilized as an ectoparasiticide which are used to kill parasites that live on the body surface. This compound may also be used in insect repellants. It is possible that this compound may be present in the soil due to the historic feather cleaning operations conducted on the Property. The low levels of dimethyl phthalate present in the soil do not appear to pose a concern to the Property.

6.2 Groundwater

The results of groundwater analytical indicate that SVOCs and PAHs were not detected at concentrations above laboratory PQLs and/or above the cited comparison values.

Groundwater analytical results indicate that one (1) VOC analyte and one (1) RCRA 8 metals analyte were detected above the Method A Cleanup Levels in the following locations:

- Tetrachloroethene was present in the groundwater at the B-8 sample location at a concentration slightly above the Method A Cleanup Level, but was below the CLARC standard formula Method B comparison value.
- Arsenic was present in the groundwater at B-15 at a concentration above the Method A Cleanup Level. No CLARC Method B comparison value exists for arsenic in groundwater.

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Although concentrations of tetrachloroethene and arsenic were elevated in specific groundwater samples collected at the Property, groundwater at the Property is not used as a drinking water source. Potable water at the Property is provided by the City of Marysville. Based on this and the fact that the presence of these compounds at concentrations exceeding Method A Cleanup Levels appears to be of limited extent at the Property, further assessment is not warranted at this time.

6.3 PCBs

PCBs were not present in the concrete at concentrations above laboratory PQLs. Based on this limited sampling and analytical testing, the Property has not been impacted by PCBs and would not be subject to TSCA regulation.

6.4 Recommendations

Based on the results of this limited subsurface investigation, no further assessment appears to be warranted at this time and reporting to the DOE for review is not required. However, if in the future the Property was subject to DOE regulatory review and/or closure, additional assessment (e.g. delineation of arsenic and tetrachloroethene in groundwater and groundwater monitoring) would likely be required.

7.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (440) 248-6005 if you have any questions or if we can be of any further assistance.

Sincerely,

Partners Environmental Consulting, Inc.



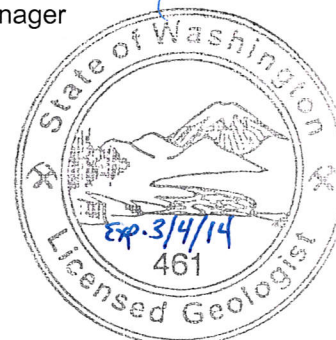
Thomas A. Weir
Senior Environmental Scientist



Allan B. Brillinger
Senior Project Manager



Robert B. Ede, R.G., L.G.
Vice President, Principal
Hahn & Associates, Inc.



ROBERT BRUCE EDE

Attachments:	Figure 1	Property Location Map
	Figure 2	Soil Boring and Sample Location Map
	Table 1	Soil Boring, Groundwater and Concrete Sample Locations & Analyses
	Table 2	Summary of VOCs in Soil
	Table 3	Summary of SVOCs in Soil
	Table 4	Summary of PAHs, RCRA 8 Metals, TPH and PCBs in Soil
	Table 5	Summary of VOCs in Groundwater
	Table 6	Summary of SVOCs in Groundwater
	Table 7	Summary of PAHs and RCRA 8 Metals in Groundwater
	Table 8	Summary of PCBs in Concrete
	Attachment A	Soil Boring Logs
	Attachment B	Laboratory Report

FIGURES

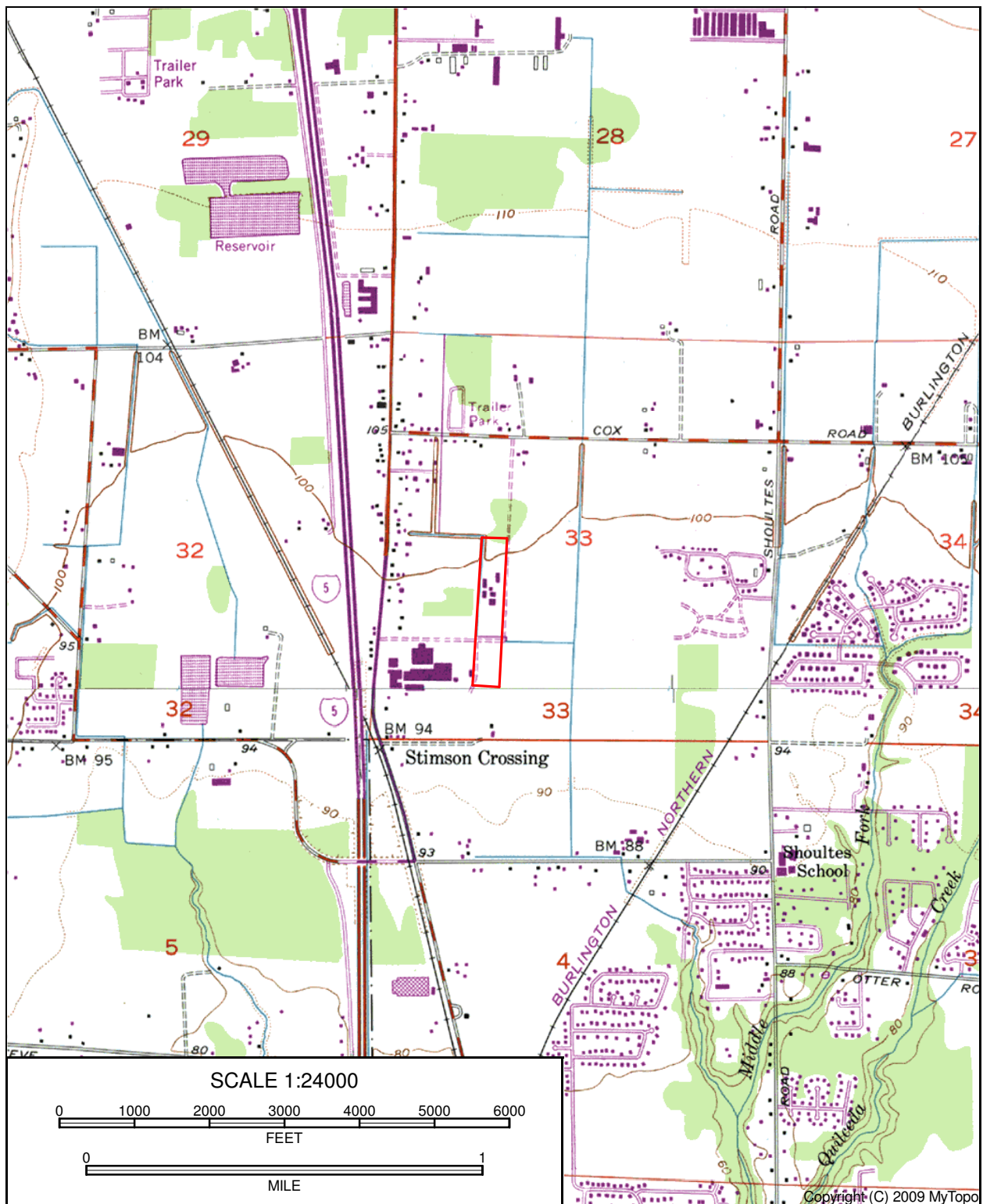


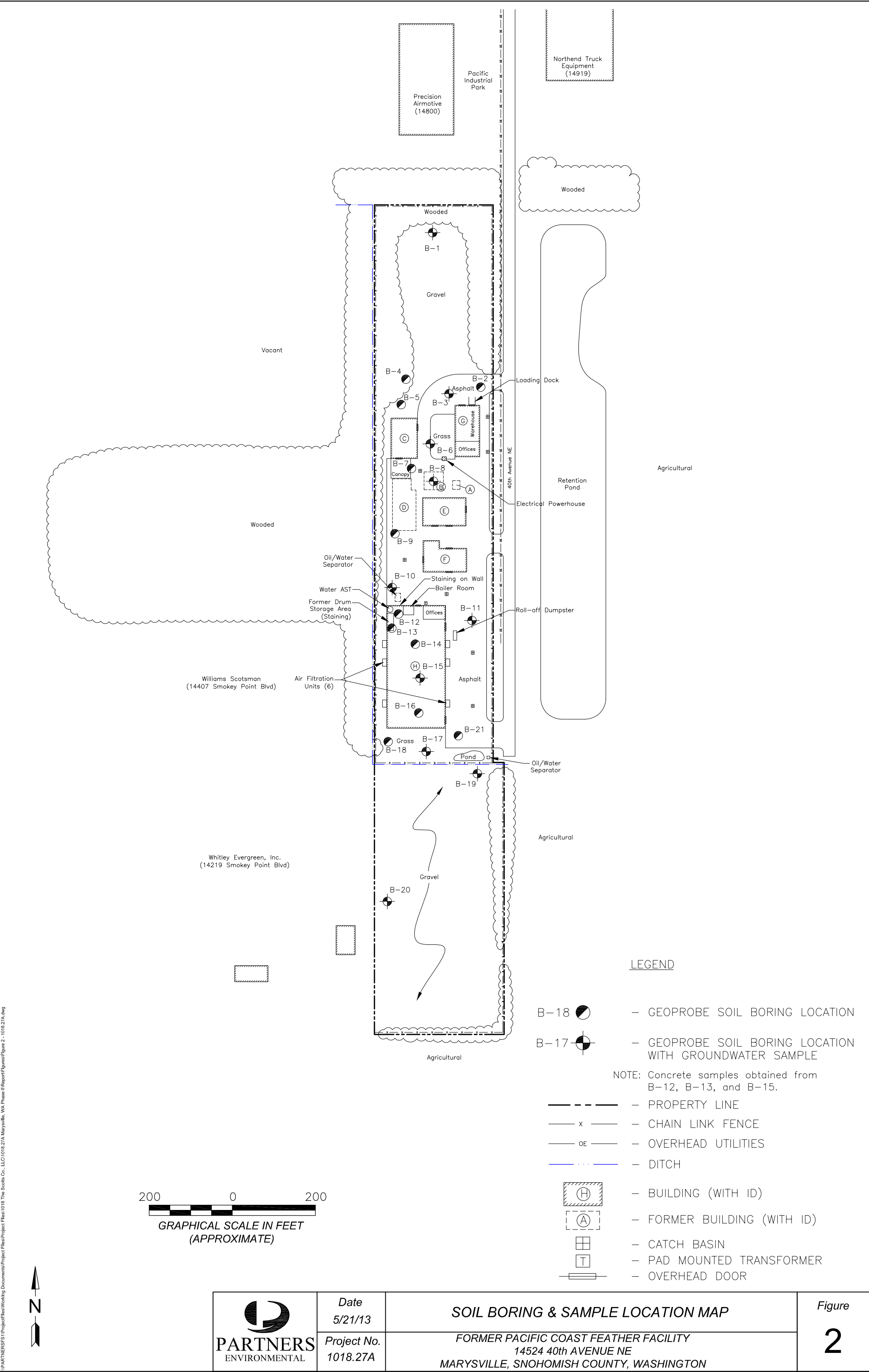
Figure 1: Property Location Map
Former Pacific Coast Feather Facility
Marysville, Snohomish County,
Washington

Property Boundary

Map Name: ARLINGTON WEST
Print Date: 04/05/13
Scale: 1 inch = 2,000 ft.
Map Center: 048° 07' 40.89" N 122° 10' 35.48" W
Horizontal Datum: NAD27

Declination
GN MN
GN 0.61° E
MN 16.57° E

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TABLES

Table 1
Soil Boring, Groundwater and Concrete Sample Locations & Analyses
Former Pacific Coast Feather Facility
Marysville, Washington

					Laboratory Analysis performed by ESC Laboratory Services											
Boring/Well/ Sample Number	Installation Date	Sample/Drill Method	Total Depth		VOC EPA Method 8260		SVOCs EPA Method 8270		PAH EPA Method 8270		RCRA Metals EPA Methods 6010B/7470		TPH NWTPHGX (C6-C10)/ NWTPHDX (C10-C20, C20- C40)		PCBs EPA Method 8081/8082	
			DP	HSA	Soil	GW	Soil	GW	Soil	GW	Soil	GW	Soil	GW	Soil	GW
B-1	4/30/2013	DP	10'	-	2-4'	x	2-4'	x	-	-	2-4'	x	-	-	-	-
B-2	4/30/2013	DP	10'	-	0-2'	-	-	-	-	-	-	-	0-2'	-	-	-
B-3	4/30/2013	DP	10'	-	0-2'	x	-	-	0-2'	x	0-2'	-	0-2'	-	0-2'	-
B-4	4/30/2013	DP	10'	-	0-2'	-	-	-	0-2'	-	-	-	-	-	-	-
B-5	4/30/2013	DP	10'	-	0-2'	-	-	-	0-2'	-	-	-	0-2'	-	-	-
B-6	4/30/2013	DP	10'	-	0-2'	x	0-2'	x	-	-	0-2'	x	0-2'	-	-	-
B-7	4/30/2013	DP	10'	-	0-2'	-	-	-	0-2'	-	-	-	0-2'	-	-	-
B-8	5/1/2013	DP	10'	-	0-2'	x	0-2'	-	-	x	-	-	-	-	0-2'	-
B-9	5/1/2013	DP	10'	-	2-4'	-	-	-	-	-	-	-	-	-	-	-
B-10	5/1/2013	DP	10'	-	2-4'	x	-	x	2-4'	-	2-4'	-	2-4'	-	2-4'	-
B-11	5/1/2013	DP	10'	-	0-2'	x	-	-	0-2'	x	0-2'	-	-	-	-	-
B-12	5/2/2013	DP	10'	-	2-4'	-	2-4'	-	-	-	-	-	-	-	concrete	-
B-13	5/2/2013	DP	10'	-	0-2'	-	0-2'	-	-	-	-	-	-	-	concrete	-
B-14	5/2/2013	DP	10'	-	4-6'	-	-	-	4-6'	-	-	-	-	-	-	-
B-15	5/2/2013	DP	10'	-	4-6'	x	-	-	4-6'	x	-	x	-	-	concrete	-
B-16	5/2/2013	DP	10'	-	0-2'	-	-	-	0-2'	-	0-2'	-	-	-	-	-
B-17	5/1/2013	DP	10'	-	2-4'	x	2-4'	-	-	x	2-4'	-	-	-	-	-
B-18	5/1/2013	DP	10'	-	2-4'	-	2-4'	-	-	-	2-4'	-	-	-	-	-
B-19	5/1/2013	DP	10'	-	2-4'	x	-	-	2-4'	x	-	-	2-4'	-	-	-
B-20	5/1/2013	DP	10'	-	2-4'	x	2-4'	x	-	-	2-4'	x	-	-	-	-
B-21	5/1/2013	DP	10'	-	2-4'	-	-	-	2-4'	-	-	-	-	-	-	-

Notes:

DP = Direct Push

HSA = Hollow Stem Auger

- = not applicable, sampling/testing not completed

B = Soil Boring

Table 3
Summary of SVOCs in Soil
Former Pacific Coast Feather Facility
Marysville, Washington

Sample ID (Depth ¹)		MTCA Cleanup Standards		CLARC Values - Direct Contact Pathway (Ingestion only)-Standard Formula	B-1 (2-4FT)	B-6 (0-2FT)	B-8 (0-2FT)	B-12 (2-4FT)	B-13 (0-2FT)	B-17 (2-4FT)	B-18 (2-4FT)	B-20 (2-4FT)
Collection Date		Table 740-1 Method A Soil Cleanup Levels Unrestricted Land Use ³	Table 745-1 Method A Soil Cleanup Levels Industrial Properties ⁴		4/30/2013	4/30/2013	5/1/2013	5/2/2013	5/2/2013	5/1/2013	5/1/2013	5/1/2013
Parameter	Units ²			Method B: Unrestricted Land Use	Value	Value	Value	Value	Value	Value	Value	Value
Semi-Volatile Organic Compounds-SVOCs												
Acenaphthene	mg/kg	NE	NE	4.80E+03	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Acenaphthylene	mg/kg	NE	NE	RND	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Anthracene	mg/kg	NE	NE	2.40E+04	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Benzidine	mg/kg	NE	NE	4.35E-03	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Benzo(a)anthracene	mg/kg	NE	NE	1.37E+00	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Benzo(b)fluoranthene	mg/kg	NE	NE	1.37E+00	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Benzo(k)fluoranthene	mg/kg	NE	NE	1.37E+01	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Benzo(g,h,i)perylene	mg/kg	NE	NE	RND	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Benzo(a)pyrene	mg/kg	0.1	0.1	1.37E-01	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Bis(2-chlorethoxy)methane	mg/kg	NE	NE	NR	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Bis(2-chloroethyl)ether	mg/kg	NE	NE	9.09E-01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Bis(2-chloroisopropyl)ether	mg/kg	NE	NE	RND	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
4-Bromophenyl-phenylether	mg/kg	NE	NE	NR	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2-Chloronaphthalene	mg/kg	NE	NE	6.40E+03	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
4-Chlorophenyl-phenylether	mg/kg	NE	NE	NR	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Chrysene	mg/kg	NE	NE	1.37E+02	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Dibenz(a,h)anthracene	mg/kg	NE	NE	1.37E-01	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
3,3-Dichlorobenzidine	mg/kg	NE	NE	2.22E+00	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2,4-Dinitrotoluene	mg/kg	NE	NE	1.60E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2,6-Dinitrotoluene	mg/kg	NE	NE	8.00E+01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Fluoranthene	mg/kg	NE	NE	3.20E+03	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Fluorene	mg/kg	NE	NE	3.20E+03	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Hexachlorobenzene	mg/kg	NE	NE	6.25E-01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Hexachloro-1,3-butadiene	mg/kg	NE	NE	1.28E+01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Hexachlorocyclopentadiene	mg/kg	NE	NE	4.80E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Hexachloroethane	mg/kg	NE	NE	7.14E+01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Indeno(1,2,3-cd)pyrene	mg/kg	NE	NE	1.37E+00	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Isophorone	mg/kg	NE	NE	1.05E+03	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Naphthalene	mg/kg	5	5	1.60E+03	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Nitrobenzene	mg/kg	NE	NE	1.60E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
n-Nitrosodimethylamine	mg/kg	NE	NE	1.96E-02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
n-Nitrosodiphenylamine	mg/kg	NE	NE	2.04E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
n-Nitrosodi-n-propylamine	mg/kg	NE	NE	1.43E-01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Phenanthrene	mg/kg	NE	NE	NR	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
Benzylbutyl phthalate	mg/kg	NE	NE	5.26E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Bis(2-ethylhexyl)phthalate	mg/kg	NE	NE	7.14E+01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Di-n-butyl phthalate	mg/kg	NE	NE	8.00E+03	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Diethyl phthalate	mg/kg	NE	NE	6.40E+04	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Dimethyl phthalate	mg/kg	NE	NE	RND	<0.40	1.4	<0.41	<0.39	<0.36	<0.41	0.72	<0.40
Di-n-octyl phthalate	mg/kg	NE	NE	RND	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Pyrene	mg/kg	NE	NE	2.40E+03	<0.040	<0.042	<0.041	<0.038	<0.036	<0.041	<0.038	<0.040
1,2,4-Trichlorobenzene	mg/kg	NE	NE	3.45E+01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
4-Chloro-3-methylphenol	mg/kg	NE	NE	NR	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2-Chlorophenol	mg/kg	NE	NE	4.00E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2,4-Dichlorophenol	mg/kg	NE	NE	2.40E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2,4-Dimethylphenol	mg/kg	NE	NE	1.60E+03	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
4,6-Dinitro-2-methylphenol	mg/kg	NE	NE	NR	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2,4-Dinitrophenol	mg/kg	NE	NE	1.60E+02	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2-Nitrophenol	mg/kg	NE	NE	NR	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
4-Nitrophenol	mg/kg	NE	NE	NR	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Pentachlorophenol	mg/kg	NE	NE	2.50E+00	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
Phenol	mg/kg	NE	NE	2.40E+04	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40
2,4,6-Trichlorophenol	mg/kg	NE	NE	9.09E+01	<0.40	<0.42	<0.41	<0.39	<0.36	<0.41	<0.39	<0.40

Notes

1. FT - Feet below grade

2. mg/kg = Milligrams per kilogram - parts per million (ppm)

3. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 740-1 Method A Soil Cleanup Levels for Unrestricted Land Uses.

4. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 745-1 Method A Soil Cleanup Levels for Industrial Properties.

5. Comparison value derived from Washington Cleanup Levels and Risk Calculations (CLARC) standard Method B pre-calculated formula values for Unrestricted Land Use.

NE = No standard established.

RND = "Researched-No Data" means research has been conducted and no data exists in the database for this parameter.

NR = "Not Researched" means research has not been conducted and no value exists in the database for this parameter.

Bold numbers indicate a concentration above laboratory detection limits.

Table 4
Summary of PAHs, RCRA 8 Metals, TPH and PCBs in Soil
Former Pacific Coast Feather Facility
Marysville, Washington

Sample ID (Depth ¹)		MTCA Cleanup Standards		CLARC Values - Direct Contact Pathway (Ingestion only)-Standard Formula	Natural Background Levels of Metals ⁸	B-1 (2-4FT)	B-2 (0-2FT)	B-3 (0-2FT)	B-4 (0-2FT)	B-5 (0-2FT)	B-6 (0-2FT)	B-7 (0-2FT)	B-8 (0-2FT)	B-9 (2-4FT)	B-10 (2-4FT)	B-11 (0-2FT)	B-12 (2-4FT)	B-13 (0-2FT)	B-14 (4-6FT)	B-15 (4-6FT)	B-16 (0-2FT)	B-17 (2-4FT)	B-18 (2-4FT)	B-19 (2-4FT)	B-20 (2-4FT)	B-21 (2-4FT)	
Collection Date		Table 740-1 Method A Soil Cleanup Levels Unrestricted Land Use ³	Table 745-1 Method A Soil Cleanup Levels Industrial Properties ⁴			4/30/2013	4/30/2013	4/30/2013	4/30/2013	4/30/2013	4/30/2013	4/30/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	
Parameter	Units ²					Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	
Polynuclear Aromatic Hydrocarbons-PAHs																											
Anthracene	mg/kg	NE	NE	2.40E+04	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Acenaphthene	mg/kg	NE	NE	4.80E+03	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Acenaphthylene	mg/kg	NE	NE	RND	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Benzo(a)anthracene	mg/kg	NE	NE	1.37E+00	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Benzo(a)pyrene	mg/kg	0.1	2	1.37E-01	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Benzo(b)fluoranthene	mg/kg	NE	NE	1.37E+00	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Benzo(g,h,i)perylene	mg/kg	NE	NE	RND	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Benzo(k)fluoranthene	mg/kg	NE	NE	1.37E+01	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Chrysene	mg/kg	NE	NE	1.37E+02	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Dibenz(a,h)anthracene	mg/kg	NE	NE	1.37E-01	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Fluoranthene	mg/kg	NE	NE	3.20E+03	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Fluorene	mg/kg	NE	NE	3.20E+03	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Indeno(1,2,3-cd)pyrene	mg/kg	NE	NE	1.37E+00	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Naphthalene	mg/kg				NA	-	<0.025	<0.026	<0.023	<0.023	-	<0.026	-	-	<0.025	<0.024	-	-	<0.024	<0.026	<0.022	-	-	<0.024	-	<0.023	
1-Methylnaphthalene	mg/kg	5	5	1.60E+03	NA	-	<0.025	<0.026	<0.023	<0.023	-	<0.026	-	-	<0.025	<0.024	-	-	<0.024	<0.026	<0.022	-	-	<0.024	-	<0.023	
2-Methylnaphthalene	mg/kg				NA	-	<0.025	<0.026	<0.023	<0.023	-	<0.026	-	-	<0.025	<0.024	-	-	<0.024	<0.026	<0.022	-	-	<0.024	-	<0.023	
Phenanthrene	mg/kg	NE	NE	NR	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
Pyrene	mg/kg	NE	NE	2.40E+03	NA	-	<0.0074	<0.0078	<0.0069	<0.0070	-	<0.0076	-	-	<0.0074	<0.0071	-	-	<0.0072	<0.0077	<0.0066	-	-	<0.0071	-	<0.0070	
2-Chloronaphthalene	mg/kg	NE	NE	NR	NA	-	<0.025	<0.026	<0.023	<0.023	-	<0.026	-	-	<0.025	<0.024	-	-	<0.024	<0.026	<0.022	-	-	<0.024	-	<0.023	
RCRA 8 Metals - Filtered																											
Mercury	mg/kg	2	2	NA	0.07	<0.024	-	0.05	-	-	0.029	-	-	-	<0.025	0.031	-	-	-	-	0.03	<0.025	0.026	-	0.024	-	
Arsenic	mg/kg	20	20	NA	7	13	-	8.2	-	-	3.6	-	-	-	4.5	9.3	-	-	-	-	<1.1	3.7	<1.2	-	<1.2	-	
Barium	mg/kg	NE	NE	1.60E+04	NA	170	-	110	-	-	47	-	-	-	52	71	-	-	-	-	44	43	36	-	31	-	
Cadmium	mg/kg	2	2	NA	1	<0.60	-	<0.33	-	-	<0.32	-	-	-	<0.31	<0.30	-	-	-	-	<0.27	<0.31	<0.29	-	<0.30	-	
Chromium	mg/kg	19 ⁵ / 2,000 ⁶	19 ⁵ / 2,000 ⁶	NA	48	39	-	35	-	-	43	-	-	-	32	40	-	-	-	-	14	37	6.9	-	6.3	-	
Lead	mg/kg	250	1,000	NA	24	2.8	-	13	-	-	5.4	-	-	-	2.4	7.8	-	-	-	-	3.5	2.7	3.6	-	8.2	-	
Selenium	mg/kg	NE	NE	4.00E+02	NA	4.6	-	3	-	-	4.1	-	-	-	3.7	3.9	-	-	-	-	<1.1	3.2	<1.2	-	<1.2	-	
Silver	mg/kg	NE	NE	4.00E+02	NA	0.7	-	<0.65	-	-	<0.64	-	-	-	<0.62	<0.59	-	-	-	-	<0.54	<0.62	<0.58	-	<0.60	-	
Total Petroleum Hydrocarbons-TPH																											
NWTPHGX (C6-C10)	mg/kg	30	30	NA	NA	-	<5.4	<6.1	-	<4.3	<5.2	<5.4	-	-	<4.6	-	-	-	-	-	-	-	-	-	<4.9	-	
NWTPHDX (C10-C20)	mg/kg	2,000	2,000	NA	NA	-	40	<52.	-	<4.6	<5.1	<5.1	-	-	<5.0	-	-	-	-	-	-	-	-	-	<4.7	-	
NWTPHDX (C20-C40)	mg/kg	2,000	2,000	NA	NA	-	67	<130	-	<12.	<13.	<13.	-	-	<12.	-	-	-	-	-	-	-	-	-	<12.	-	
Polychlorinated Biphenyls-PCBs																											
PCB 1016	mg/kg					-	-	<0.022	-	-	-	-	<0.021	-	<0.021	-	-	-	-	-	-	-	-	-	-	-	
PCB 1221	mg/kg					-	-	<0.022	-	-	-	-	<0.021	-	<0.021	-	-	-	-	-	-	-	-	-	-	-	
PCB 1232	mg/kg					-	-	<0.022	-	-	-	-	<0.021	-	<0.021	-	-	-	-	-	-	-	-	-	-	-	
PCB 1242	mg/kg					-	-	<0.022	-	-	-	-	<0.021	-	<0.021	-	-	-	-	-	-	-	-	-	-	-	
PCB 1248	mg/kg					-	-	<0.022	-	-	-	-	<0.021	-	<0.021	-	-	-	-	-	-	-	-	-	-	-	
PCB 1254	mg/kg					-	-	<0.022	-	-	-	-	<0.021	-	<0.021	-	-	-	-	-	-	-	-	-	-	-	
PCB 1260	mg/kg					-	-	<0.022	-	-	-	-	<0.021	-	<0.021	-	-	-	-	-	-	-	-	-	-	-	

Notes

1. FT - Feet below grade

2. mg/kg = Milligrams per kilogram - parts per million (ppm)

3. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 740-1 Method A Soil Cleanup Levels for Unrestricted Land Uses.

4. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 745-1 Method A Soil Cleanup Levels for Industrial Properties.

5. Cleanup level for Chromium VI.

6. Cleanup level for Chromium III.

7. Comparison value derived from Washington Cleanup Levels and Risk Calculations (CLARC) standard Method B pre-calculated formula values for Unrestricted Land Use.

8. Natural background concentrations of metals in the Puget Sound Region, DOE Publication No. 94-115.

NE = No standard established.

NA = Not applicable.

RND = "Researched-No Data" means research has been conducted and no data exists in the database for this parameter.

NR = "Not Researched" means research has not been conducted and no value exists in the database for this parameter.

- = Sample not tested for analytical method.

Bold numbers indicate a concentration above laboratory detection limits.

Table 5
Summary of VOCs in Groundwater
Former Pacific Coast Feather Facility
Marysville, Washington

Sample ID		MTCA Standard	CLARC Values - Groundwater (Standard Formula)	B-1	B-3	B-6	B-8	B-10	B-11	B-15	B-17	B-19	B-20
Collection Date		Table 720-1 Method A Cleanup Levels for Groundwater ²		4/30/2013	4/30/2013	4/30/2013	5/1/2013	5/1/2013	5/1/2013	5/2/2013	5/1/2013	5/1/2013	5/1/2013
Parameter	Units ¹		Method B: Unrestricted Land Use ³	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Volatile Organic Compounds-VOCs													
Acetone	µg/l	NE	7.20E+03	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acrolein	µg/l	NE	4.00E+00	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Acrylonitrile	µg/l	NE	8.10E+02	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzene	µg/l	5	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	µg/l	NE	7.06E-01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	µg/l	NE	5.54E+00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	µg/l	NE	1.12E+01	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
n-Butylbenzene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	µg/l	NE	6.25E-01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	µg/l	NE	1.60E+02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorodibromomethane	µg/l	NE	5.21E-01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/l	NE	RND	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Chloroethyl vinyl ether	µg/l	NE	NR	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Chloroform	µg/l	NE	8.00E+01	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	µg/l	NE	RND	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	µg/l	NE	1.60E+02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-Chloropropane	µg/l	NE	5.47E-02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	µg/l	0.01	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	µg/l	NE	8.00E+01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	µg/l	NE	7.20E+02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	µg/l	NE	RND	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	µg/l	NE	RND	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	µg/l	NE	1.60E+03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	µg/l	NE	1.60E+03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	µg/l	5	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	µg/l	NE	4.00E+02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/l	NE	1.60E+01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	µg/l	NE	1.60E+02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	µg/l	NE	RND	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Di-isopropyl ether	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	µg/l	700	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	µg/l	NE	5.61E-01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Hexane	µg/l	NE	4.80E+02	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isopropylbenzene	µg/l	NE	8.00E+02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	µg/l	NE	4.80E+03	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	µg/l	5	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone (MIBK)	µg/l	NE	6.40E+02	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl tert-butyl ether	µg/l	20	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/l	160	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
n-Propylbenzene	µg/l	NE	8.00E+02	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	µg/l	NE	1.60E+03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	µg/l	NE	1.68E+00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/l	NE	2.19E-01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	µg/l	5	2.08E+01	<1.0	<1.0	<1.0	8.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/l	1,000	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	µg/l	NE	1.51E+00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	µg/l	200	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/l	NE	7.68E-01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	µg/l	5	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	µg/l	NE	2.40E+03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane	µg/l	NE	1.46E-03	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	µg/l	NE	RND	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	µg/l	NE	8.00E+01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	µg/l	0.2	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, Total	µg/l	1,000	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Notes

1. µg/l = Milligrams per liter - parts per billion (ppb)
2. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 720-1 Method A Cleanup Levels for Groundwater.
3. Comparison value derived from Washington Cleanup Levels and Risk Calculations (CLARC) standard Method B pre-calculated formula values for Groundwater.
NE = No standard established.
NA = Not applicable.

RND = "Researched-No Data" means research has been conducted and no data exists in the database for this parameter.
NR = "Not Researched" means research has not been conducted and no value exists in the database for this parameter.
Bold numbers indicate a concentration above laboratory detection limits.
Bold and highlighted number indicates a concentration above a comparison standard.

Table 6
Summary of SVOCs in Groundwater
Former Pacific Coast Feather Facility
Marysville, Washington

Sample ID		MTCA Standard	CLARC Values - Groundwater (Standard Formula)	B-1	B-6	B-10	B-20
Collection Date		Table 720-1 Method A Cleanup Levels for Groundwater ²		4/30/2013	4/30/2013	5/1/2013	5/1/2013
Parameter	Units ¹		Method B: Unrestricted Land Use ³	Value	Value	Value	Value
Semi-Volatile Organic Compounds-SVOCs							
Acenaphthene	µg/l	NE	9.60E+02	<1.0	<1.0	<1.0	<1.0
Acenaphthylene	µg/l	NE	RND	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/l	NE	4.80E+03	<1.0	<1.0	<1.0	<1.0
Benidine	µg/l	NE	3.80E-04	<10	<10	<10	<10
Benzo(a)anthracene	µg/l	NE	1.20E-01	<1.0	<1.0	<1.0	<1.0
Benzo(b)fluoranthene	µg/l	NE	1.20E-01	<1.0	<1.0	<1.0	<1.0
Benzo(k)fluoranthene	µg/l	NE	1.20E+00	<1.0	<1.0	<1.0	<1.0
Benzo(g,h,i)perylene	µg/l	NE	RND	<1.0	<1.0	<1.0	<1.0
Benzo(a)pyrene	µg/l	0.1	1.20E-02	<1.0	<1.0	<1.0	<1.0
Bis(2-chlorethoxy)methane	µg/l	NE	NR	<10	<10	<10	<10
Bis(2-chloroethyl)ether	µg/l	NE	3.98E-02	<10	<10	<10	<10
Bis(2-chloroisopropyl)ether	µg/l	NE	RND	<10	<10	<10	<10
4-Bromophenyl-phenylether	µg/l	NE	NR	<10	<10	<10	<10
2-Chloronaphthalene	µg/l	NE	6.40E+02	<1.0	<1.0	<1.0	<1.0
4-Chlorophenyl-phenylether	µg/l	NE	NR	<10	<10	<10	<10
Chrysene	µg/l	NE	1.20E+01	<1.0	<1.0	<1.0	<1.0
Dibenz(a,h)anthracene	µg/l	NE	1.20E-02	<1.0	<1.0	<1.0	<1.0
3,3-Dichlorobenzidine	µg/l	NE	1.94E-01	<10	<10	<10	<10
2,4-Dinitrotoluene	µg/l	NE	3.20E+01	<10	<10	<10	<10
2,6-Dinitrotoluene	µg/l	NE	1.60E+01	<10	<10	<10	<10
Fluoranthene	µg/l	NE	6.40E+02	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/l	NE	6.40E+02	<1.0	<1.0	<1.0	<1.0
Hexachlorobenzene	µg/l	NE	5.47E-02	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	µg/l	NE	5.61E-01	<10	<10	<10	<10
Hexachlorocyclopentadiene	µg/l	NE	4.80E+01	<10	<10	<10	<10
Hexachloroethane	µg/l	NE	3.13E+00	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	µg/l	NE	1.20E-01	<1.0	<1.0	<1.0	<1.0
Isophorone	µg/l	NE	4.61E+01	<10	<10	<10	<10
Naphthalene	µg/l	160	1.60E+02	<1.0	<1.0	<1.0	<1.0
Nitrobenzene	µg/l	NE	1.60E+01	<10	<10	<10	<10
n-Nitrosodimethylamine	µg/l	NE	8.58E-04	<10	<10	<10	<10
n-Nitrosodiphenylamine	µg/l	NE	RND	<10	<10	<10	<10
n-Nitrosodi-n-propylamine	µg/l	NE	RND	<10	<10	<10	<10
Phenanthrene	µg/l	NE	NR	<1.0	<1.0	<1.0	<1.0
Benzylbutyl phthalate	µg/l	NE	4.61E+01	<3.0	<3.0	<3.0	<3.0
Bis(2-ethylhexyl)phthalate	µg/l	NE	6.25E+00	<3.0	4.9	<3.0	<3.0
Di-n-butyl phthalate	µg/l	NE	1.60E+03	<3.0	<3.0	<3.0	<3.0
Diethyl phthalate	µg/l	NE	1.28E+04	<3.0	<3.0	<3.0	<3.0
Dimethyl phthalate	µg/l	NE	RND	<3.0	<3.0	<3.0	<3.0
Di-n-octyl phthalate	µg/l	NE	RND	<3.0	<3.0	<3.0	<3.0
Pyrene	µg/l	NE	4.80E+02	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	µg/l	NE	1.51E+00	<10	<10	<10	<10
4-Chloro-3-methylphenol	µg/l	NE	NR	<10	<10	<10	<10
2-Chlorophenol	µg/l	NE	4.00E+01	<10	<10	<10	<10
2,4-Dichlorophenol	µg/l	NE	2.40E+01	<10	<10	<10	<10
2,4-Dimethylphenol	µg/l	NE	1.60E+02	<10	<10	<10	<10
4,6-Dinitro-2-methylphenol	µg/l	NE	NR	<10	<10	<10	<10
2,4-Dinitrophenol	µg/l	NE	3.20E+01	<10	<10	<10	<10
2-Nitrophenol	µg/l	NE	NR	<10	<10	<10	<10
4-Nitrophenol	µg/l	NE	NR	<10	<10	<10	<10
Pentachlorophenol	µg/l	NE	2.19E-01	<10	<10	<10	<10
Phenol	µg/l	NE	2.40E+03	<10	<10	<10	<10
2,4,6-Trichlorophenol	µg/l	NE	3.98E+00	<10	<10	<10	<10

Notes

1. µg/l = Milligrams per liter - parts per billion (ppb)

2. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 720-1 Method A Cleanup Levels for Groundwater.

3. Comparison value derived from Washington Cleanup Levels and Risk Calculations (CLARC) standard Method B pre-calculated formula values for Groundwater.

NE = No standard established.

RND = "Researched-No Data" means research has been conducted and no data exists in the database for this parameter.

NR = "Not Researched" means research has not been conducted and no value exists in the database for this parameter.

Bold numbers indicate a concentration above laboratory detection limits.

Table 7
Summary of PAHs and RCRA 8 Metals in Groundwater
Former Pacific Coast Feather Facility
Marysville, Washington

Sample ID		MTCA Standard	CLARC Values - Groundwater (Standard Formula)	B-1	B-3	B-6	B-8	B-11	B-15	B-17	B-19	B-20
Collection Date		Table 720-1 Method A Cleanup Levels for Groundwater ₂		4/30/2013	4/30/2013	4/30/2013	5/1/2013	5/1/2013	5/2/2013	5/1/2013	5/1/2013	5/1/2013
Parameter	Units ¹		Method B: Unrestricted Land Use ³	Value	Value	Value	Value	Value	Value	Value	Value	Value
Polynuclear Aromatic Hydrocarbons-PAHs												
Anthracene	µg/l	NE	4.80E+03	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Acenaphthene	µg/l	NE	9.60E+02	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Acenaphthylene	µg/l	NE	RND	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Benzo(a)anthracene	µg/l	NE	1.20E-01	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Benzo(a)pyrene	µg/l	0.1	1.20E-02	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Benzo(b)fluoranthene	µg/l	NE	1.20E-01	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Benzo(g,h,i)perylene	µg/l	NE	RND	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Benzo(k)fluoranthene	µg/l	NE	1.20E+00	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Chrysene	µg/l	NE	1.20E+01	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Dibenz(a,h)anthracene	µg/l	NE	1.20E-02	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Fluoranthene	µg/l	NE	6.40E+02	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Fluorene	µg/l	NE	6.40E+02	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Indeno(1,2,3-cd)pyrene	µg/l	NE	1.20E-01	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Naphthalene	µg/l	160	1.60E+02	-	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-
1-Methylnaphthalene	µg/l			-	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-
2-Methylnaphthalene	µg/l			-	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-
Phenanthrene	µg/l	NE	NR	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
Pyrene	µg/l	NE	4.80E+02	-	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	-
2-Chloronaphthalene	µg/l	NE	6.40E+02	-	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-
RCRA 8 Metals												
Mercury	µg/l	2	NA	<0.20	-	<0.20	-	-	<0.20	-	-	<0.20
Arsenic	µg/l	5	NA	<1.0	-	<1.0	-	-	15	-	-	1
Barium	µg/l	NE	3.20E+03	22	-	24	-	-	50	-	-	75
Cadmium	µg/l	5	NA	<5.0	-	<5.0	-	-	<5.0	-	-	<5.0
Chromium	µg/l	50	NA	<10	-	<10	-	-	<10	-	-	<10
Lead	µg/l	15	NA	<5.0	-	<5.0	-	-	<5.0	-	-	<5.0
Selenium	µg/l	NE	8.00E+01	<20	-	<20	-	-	<20	-	-	<20
Silver	µg/l	NE	8.00E+01	<10	-	<10	-	-	10	-	-	<10

Notes

1. µg/l = Milligrams per liter - parts per billion (ppb)
 2. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 720-1 Method A Cleanup Levels for Groundwater.
 3. Comparison value derived from Washington Cleanup Levels and Risk Calculations (CLARC) standard Method B pre-calculated formula values for Groundwater.
- NE = No standard established.
NA = Not applicable.

RND = "Researched-No Data" -research has been conducted; no data exists in the database for this parameter.

NR = "Not Researched" -research has not been conducted and no value exists in the database for this parameter.

- = Sample not tested for analytical method.

Bold numbers indicate a concentration above laboratory detection limits.

Bold and highlighted number indicates a concentration above a comparison standard.

Table 8
Summary of PCBs in Concrete
Former Pacific Coast Feather Facility
Marysville, Washington

Sample ID (Depth) ¹		Washington MTCA Standards		TSCA High / Low Occupancy ⁵	B-12 (0-2IN)	B-13 (0-2IN)	B-15 (0-2IN)
Collection Date		Table 740-1 Method A Soil Cleanup Levels Unrestricted Land Use ³	Table 745-1 Method A Soil Cleanup Levels Industrial Properties ⁴		5/2/2013	5/2/2013	5/2/2013
Parameter	Units ²				Value	Value	Value
Polychlorinated Biphenyls - PCBs							
PCB 1016	mg/kg	1	10	1 / 25	<0.017	<0.017	<0.017
PCB 1221	mg/kg				<0.017	<0.017	<0.017
PCB 1232	mg/kg				<0.017	<0.017	<0.017
PCB 1242	mg/kg				<0.017	<0.017	<0.017
PCB 1248	mg/kg				<0.017	<0.017	<0.017
PCB 1254	mg/kg				<0.017	<0.017	<0.017
PCB 1260	mg/kg				<0.017	<0.017	<0.017

Notes

1. IN - Inches below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 740-1 Method A Soil Cleanup Levels for Unrestricted Land Uses.
4. Cleanup levels determined by Washington Model Toxics Control Act (MTCA), WAC 173-340-900 - Table 745-1 Method A Soil Cleanup Levels for Industrial Properties.
5. Comparison standards determined by the Toxic Substances Control Act (TSCA), 40 Code of Federal Regulations (CFR) Part 761.

Bolded numbers indicate a concentration above laboratory detection limits.

ATTACHMENT A SOIL BORING LOGS

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-1			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		4/30/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4.5 ft bgs (encounter) / 2.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2	NA	80%	0.3			FILL: Brown silty CLAY and GRAVEL, moist, no odors or staining.				Well riser
2-4	NA	80%	0.2			Gray fine SAND with a black medium to coarse sand seam (2") at 3.5 ft, moist, no odors or staining.	SP			Temp. stainless well scrm
4-6	NA	90%	0.2			Brown fine SAND, reddish brown from 4-4.5 ft, wet at 4.5 ft, no odors or staining.	SP			
6-8	NA	90%	0.2			Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			
8-10	NA	90%	0.1							
10-12						Boring terminated at 10 feet bgs.				
12-14						Groundwater sample obtained from a temporary stainless steel monitoring well point.				
14-16						Sample interval shown in bold submitted for laboratory analysis.				
16-18										
18-20										
20-22										
22-24										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

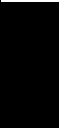
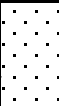
 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
		SOIL BOREHOLE LOG								B-2	
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		4/30/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4.5 ft bgs (encounter) / 2.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials	
2.0	0-2	NA	95%	8.6		FILL: Brown silty CLAY and GRAVEL with some vegetative material, moist, no odors or staining.					
4.0	2-4	NA	95%	1.0		Gray fine SAND, moist, no odors or staining.	SP				
4.0						Brown and gray clayey fine SAND, moist, no odors or staining.	SC				
6.0	4-6	NA	90%	0.5		Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW				
8.0	6-8	NA	90%	0.4							
10.0	8-10	NA	90%	0.3							
12.0	10-12					Boring terminated at 10 feet bgs.					
14.0	12-14					Sample interval shown in bold submitted for laboratory analysis.					
16.0	14-16										
18.0	16-18										
20.0	18-20										
22.0	20-22										
24.0	22-24										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

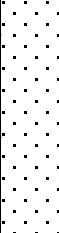
 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-3			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		4/30/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4.5 ft bgs (encounter) / 2.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
2.0	0-2	NA	80%	0.8		FILL: GRAVEL and brown silty CLAY, moist, no odors or staining.				Well riser
						Brown silty fine SAND, moist, no odors or staining.	SM			
4.0	2-4	NA	80%	0.3		Gray fine to medium SAND with silt, moist, no odors / staining.	SP			Temp. stainless well scrm
6.0	4-6	NA	90%	0.2		Brown and gray clayey fine SAND, moist, no odors / staining.	SC			
8.0	6-8	NA	90%	0.1		Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			
10.0	8-10	NA	90%	0.1						
12.0	10-12									
14.0	12-14					Boring terminated at 10 feet bgs. Groundwater sample obtained from a temporary stainless steel monitoring well point. Sample interval shown in bold submitted for laboratory analysis.				
16.0	14-16									
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
		SOIL BOREHOLE LOG								B-4	
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		4/30/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4 ft bgs (encounter) / 2.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
	0-2	NA	90%	0.3		FILL: Brown silty CLAY and GRAVEL, moist, no odors/stains.				
2.0						Dark brown silty fine SAND, no odors or staining.				
4.0	2-4	NA	90%	0.2		Brown fine to coarse SAND with trace gravel and silt, very moist, no odors or staining.	SW			
6.0	4-6	NA	90%	0.2		Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW			
8.0	6-8	NA	90%	0.2						
10.0	8-10	NA	90%	0.2						
12.0	10-12					Boring terminated at 10 feet bgs.				
14.0	12-14					Sample interval shown in bold submitted for laboratory analysis.				
16.0	14-16									
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

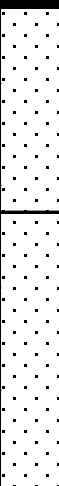
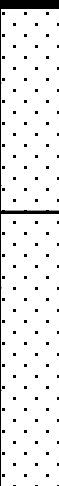
 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
		SOIL BOREHOLE LOG								B-5	
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		4/30/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		2 ft bgs (encounter) / 2 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials	
	0-2	NA	85%	0.2		FILL: GRAVEL and brown silty CLAY, moist, no odors/stains.					
2.0						Brown fine to coarse SAND with some silt, wet at 2 ft, no odors or staining.	SW				
4.0											
6.0											
8.0											
						Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW				
10.0											
12.0											
14.0											
16.0											
18.0											
20.0											
22.0											
24.0											
							Boring terminated at 10 feet bgs.				
						Sample interval shown in bold submitted for laboratory analysis.					

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

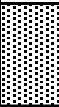
 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-6			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		4/30/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		2 ft bgs (encounter) / 2.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2	NA	80%	3.3			GRASS and TOPSOIL with some gravel (3") Brown silty fine SAND, moist, no odors or staining.	SM			Well riser
2-4	NA	80%	0.4			Brown fine to coarse SAND with some silt, wet a 2 ft, no odors or staining.	SW			Temp. stainless well scrm
4-6	NA	95%	0.3			Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			
6-8	NA	95%	0.2							
8-10	NA	95%	0.5							
10-12						Boring terminated at 10 feet bgs. Groundwater sample obtained from a temporary stainless steel monitoring well point. Sample interval shown in bold submitted for laboratory analysis.				
12-14										
14-16										
16-18										
18-20										
20-22										
22-24										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-7			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		4/30/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		3 ft bgs (encounter) / 3 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
	0-2	NA	90%	0.4		CONCRETE (4")				
2.0						Brown silty fine SAND, no odors or staining.	SM			
4.0	2-4	NA	90%	0.3		Brown fine to medium SAND with some silt, wet at 3 ft, no odors or staining.	SP			
6.0	4-6	NA	95%	0.3		Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW			
8.0	6-8	NA	95%	0.2						
10.0	8-10	NA	95%	0.2						
12.0	10-12					Boring terminated at 10 feet bgs.				
14.0	12-14					Sample interval shown in bold submitted for laboratory analysis.				
16.0	14-16									
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-8			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		3.5 ft bgs (encounter) / 3 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials	
	0-2	NA	85%	1.8		CONCRETE (2")					
2.0						Brown silty fine SAND, moist, no odors or staining.	SM			Well riser	
4.0	2-4	NA	85%	0.7		Brown fine to medium SAND with some coarse sand, wet at 3.5 ft, no odors or staining.	SW				
6.0	4-6	NA	90%	0.0		Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			Temp. stainless well screen	
8.0	6-8	NA	90%	0.1							
10.0	8-10	NA	90%	0.0							
12.0	10-12					Boring terminated at 10 feet bgs.					
14.0	12-14					Groundwater sample obtained from a temporary stainless steel monitoring well point.					
16.0	14-16					Sample interval shown in bold submitted for laboratory analysis.					
18.0	16-18										
20.0	18-20										
22.0	20-22										
24.0	22-24										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-9			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4.5 ft bgs (encounter) / 3.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
						CONCRETE (4")				
2.0	0-2	NA	80%	0.5		FILL: Brown fine to medium SAND with gravel, no odor/stains.				
						Brown silty fine SAND with some medium sand, no odors or staining.	SM			
4.0	2-4	NA	80%	0.3		Brown fine to medium SAND, moist, no odors or staining.	SP			
						Brown and gray clayey fine SAND, very moist, no odors or staining.	SC			
6.0	4-6	NA	90%	0.4						
8.0	6-8	NA	90%	0.3		Brown fine to coarse SAND with some gravel, wet, no odors or staining.	SW			
10.0	8-10	NA	90%	0.2		Gray fine to medium SAND, wet, no odors or staining.	SP			
12.0	10-12					Boring terminated at 10 feet bgs.				
14.0	12-14					Sample interval shown in bold submitted for laboratory analysis.				
16.0	14-16									
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-10			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		3 ft bgs (encounter) / 3.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
						CONCRETE (4")				
2.0	0-2	NA	85%	0.3		Brown silty fine SAND, moist, no odors or staining.	SM			Well riser
	2-4	NA	85%	0.4		Brown fine to medium SAND, wet at 3 ft, no odors or staining.	SP			
4.0	4-6	NA	85%	0.3		Brown fine to coarse SAND with gravel, wet, no odors or staining.	SW			Temp. stainless well screen
6.0	6-8	NA	85%	0.3						
8.0	8-10	NA	85%	0.3		Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW			
10.0	10-12					Boring terminated at 10 feet bgs.				
12.0	12-14					Groundwater sample obtained from a temporary stainless steel monitoring well point.				
14.0	14-16					Sample interval shown in bold submitted for laboratory analysis.				
16.0	16-18									
18.0	18-20									
20.0	20-22									
22.0	22-24									
24.0										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

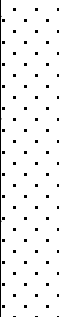
 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG										B11	
Client:		The Scotts Company - Marysville, WA					Location:		See Site Plan		
Date Drilled:		5/1/2013					Total Depth:		10 feet		
Drilling Method:		Geoprobe - Direct Push					Casing Elevation:		N/A		
Drilling Company:		Cascade Drilling, L.P.					Top of Water:		3.5 ft bgs (encounter) / 2.5 ft bgs (completion)		
Driller:		Kasey Goble					Backfill Material:		Bentonite Chips		
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
2.0	0-2	NA	90%	1.3		ASPHALT (3") GRAVEL BASE with sand (3")	SM			Well riser
						Brown silty fine SAND, moist, no odors or staining.	SP			
						Gray fine SAND, no odors or staining.	SP			
2-4	NA	90%	0.6		Brown clayey fine to medium SAND, very moist, no odors or staining.	SC				
4-6	NA	95%	0.6			Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW			
6-8	NA	95%	0.3							
8-10	NA	95%	0.6							
10-12										
12-14										
14-16										
16-18										
18-20										
20-22										
22-24										
24.0										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-12			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/2/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		3 ft bgs (encounter) / 4 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
						CONCRETE (3")				
2.0	0-2	NA	80%	0.0		Brown silty fine SAND with some gravel, no odors / stains.	SM			
4.0	2-4	NA	80%	0.1		Brown fine to coarse SAND with some gravel, wet at 3 ft, no odors or staining.	SW			
6.0	4-6	NA	85%	0.0						
8.0	6-8	NA	85%	0.1		Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW			
10.0	8-10	NA	85%	0.0						
12.0	10-12					Boring terminated at 10 feet bgs.				
14.0	12-14					Sample interval shown in bold submitted for laboratory analysis.				
16.0	14-16					Concrete sample obtained utilizing Geoprobe star bit.				
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

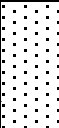
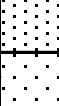
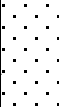
 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-13			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/2/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4 ft bgs (encounter) / 4 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
	0-2	NA	75%	0.1		CONCRETE (5")				
2.0						Brown silty fine SAND with some gravel, no odors / stains.	SM			
4.0	2-4	NA	75%	0.1		Brown fine to medium SAND with silty seam (6") at 3.5 ft, transitioning to fine to coarse SAND at 4 ft, wet at 4 ft, no odors or staining.	SW			
6.0	4-6	NA	85%	0.1						
8.0	6-8	NA	85%	0.2		Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW			
10.0	8-10	NA	85%	0.1						
12.0	10-12					Boring terminated at 10 feet bgs.				
14.0	12-14					Sample interval shown in bold submitted for laboratory analysis.				
16.0	14-16					Concrete sample obtained utilizing Geoprobe star bit.				
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-14			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/2/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4 ft bgs (encounter) / 4 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials	
						CONCRETE (5")					
0-2	NA	80%	0.0								
2.0						Brown fine to medium SAND with gravel and some silt, no odors or staining.	SP				
2-4	NA	80%	0.1								
4.0											
4-6	NA	90%	0.4			Brown clayey fine SAND, wet, no odors or staining.	SC				
6.0						Brown fine to medium SAND with gravel and some silt, wet, no odors or staining.	SP				
6-8	NA	90%	0.1								
8.0						Gray fine to medium SAND with trace gravel, wet, no odors or staining.	SP				
8-10	NA	90%	0.1								
10.0											
10-12						Boring terminated at 10 feet bgs.					
12.0						Sample interval shown in bold submitted for laboratory analysis.					
12-14											
14.0											
14-16											
16.0											
16-18											
18.0											
18-20											
20.0											
20-22											
22.0											
22-24											
24.0											

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-15			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/2/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		5 ft bgs (encounter) / 4.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
						CONCRETE (5")				
0-2	NA	85%	0.0							
2.0						Brown fine to medium SAND with gravel and some silt, no odors or staining.	SP			Well riser
2-4	NA	85%	0.0							
4.0										
4-6	NA	90%	0.4			Brown clayey fine SAND, wet, no odors or staining.	SC			
6.0						Brown fine to coarse SAND, moist, no odors or staining.	SW			
6-8	NA	90%	0.1							
8.0						Gray fine to medium SAND with some gravel and white quartz fragments, wet at 5 ft, no odors or staining.	SP			Temp. stainless well scrn
8-10	NA	90%	0.1							
10.0										
10-12						Boring terminated at 10 feet bgs.				
12.0						Groundwater sample obtained from a temporary stainless steel monitoring well point.				
12-14						Concrete sample obtained utilizing Geoprobe star bit.				
14.0						Sample interval shown in bold submitted for laboratory analysis.				
14-16										
16.0										
16-18										
18.0										
18-20										
20.0										
20-22										
22.0										
22-24										
24.0										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

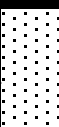
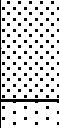
 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
		SOIL BOREHOLE LOG								B-16	
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/2/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		5 ft bgs (encounter) / 4 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									
Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials	
	0-2	NA	90%	0.4		CONCRETE (5")					
2.0						Brown fine to medium SAND with gravel, no odors or staining.	SP				
	2-4	NA	90%	0.0							
4.0						Brown fine SAND with some silt, moist, no odors or staining.	SP				
	4-6	NA	90%	0.2							
6.0											
	6-8	NA	90%	0.1							
8.0						Gray fine to coarse SAND with some gravel and white quartz fragments, wet at 5 ft, no odors or staining.	SW				
	8-10	NA	90%	0.3							
10.0											
	10-12					Boring terminated at 10 feet bgs.					
12.0						Sample interval shown in bold submitted for laboratory analysis.					
	12-14										
14.0											
	14-16										
16.0											
	16-18										
18.0											
	18-20										
20.0											
	20-22										
22.0											
	22-24										
24.0											

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

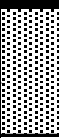
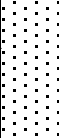
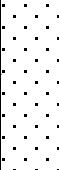
 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-17			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		2.5 ft bgs (encounter) / 3.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
						GRASS/TOPSOIL (2"); FILL: Brown silty SAND w/ gravel (4").				
2.0	0-2	NA	95%	0.4		Brown silty fine SAND, wet at 2.5 ft, no odors or staining.	SM			Well riser
4.0	2-4	NA	95%	1.9		Brown fine to medium SAND , wet, no odors or staining.	SP			Temp. stainless well scrm
6.0	4-6	NA	90%	0.6						
8.0	6-8	NA	90%	0.3						
10.0	8-10	NA	90%	0.5		Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			
12.0	10-12					Boring terminated at 10 feet bgs.				
14.0	12-14					Groundwater sample obtained from a temporary stainless steel monitoring well point.				
16.0	14-16					Sample interval shown in bold submitted for laboratory analysis.				
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

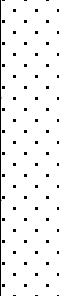
 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
		SOIL BOREHOLE LOG								B-18	
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		4 ft bgs (encounter) / 3.5 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
2.0	0-2	NA	90%	0.3		GRASS and TOPSOIL (4") FILL: Brown silty fine SAND and GRAVEL, no odors/stains.				
						Brown silty fine SAND, no odors or staining.	SM			
4.0	2-4	NA	90%	0.4		Brown fine to coarse SAND with gravel, very moist, no odors or staining.	SW			
						Brown and gray sandy CLAY, moist, no odors/stains.	CL			
6.0	4-6	NA	90%	0.4		Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			
	6-8	NA	90%	0.4						
8.0	8-10	NA	90%	0.4						
	10-12									
12.0	12-14									
14.0	14-16									
16.0	16-18									
18.0	18-20									
20.0	20-22									
22.0	22-24									
24.0										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-19			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		3 ft bgs (encounter) / 3 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2	NA	90%	0.5			Brown silty fine SAND with some gravel, moist, no odors or staining.	SM			Well riser
2-4	NA	90%	0.6			Brown fine to medium SAND with some gravel, wet at 3 ft, no odors or staining.	SP			Temp. stainless well screen
4-6	NA	90%	0.5							
6-8	NA	90%	0.8							
8-10	NA	90%	0.4			Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			
10-12						Boring terminated at 10 feet bgs. Groundwater sample obtained from a temporary stainless steel monitoring well point. Sample interval shown in bold submitted for laboratory analysis.				
12-14										
14-16										
16-18										
18-20										
20-22										
22-24										

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-20			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		6 ft bgs (encounter) / 3 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
0-2	NA	75%	0.3			GRAVEL (2") Brown silty fine SAND with some gravel, moist, no odors or staining.	SM			
2-4	NA	75%	0.9			Brown fine to medium SAND, very moist, no odors or staining.	SP			
4-6	NA	90%	0.3							
6-8	NA	90%	0.3							
8-10	NA	90%	0.2			Gray fine to coarse SAND with some gravel and white quartz fragments, wet, no odors or staining.	SW			
10-12					Boring terminated at 10 feet bgs. Groundwater sample obtained from a temporary stainless steel monitoring well point. Sample interval shown in bold submitted for laboratory analysis.					
12-14										
14-16										
16-18										
18-20										
20-22										
22-24										
24.0										

LEGEND

Clay/Silty Clay

Silt/Clayey Silt

Sandy Clay/Clayey Sand

Silty Sand

Fine Sand

Medium Sand

Coarse Sand

Fill/Backfill

Decomposed Rock/Bedrock

Initial Water Level

Static Water Level

		PARTNERS ENVIRONMENTAL CONSULTING, INC.									
SOIL BOREHOLE LOG								B-21			
Client:		The Scotts Company - Marysville, WA				Location:		See Site Plan			
Date Drilled:		5/1/2013				Total Depth:		10 feet			
Drilling Method:		Geoprobe - Direct Push				Casing Elevation:		N/A			
Drilling Company:		Cascade Drilling, L.P.				Top of Water:		5 ft bgs (encounter) / 3 ft bgs (completion)			
Driller:		Kasey Goble				Backfill Material:		Bentonite Chips			
Geologist:		Tom Weir									

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
						ASPHALT (4") GRAVEL BASE with sand (6")				
2.0	0-2	NA	80%	3.2		Dark brown silty fine SAND to 1.75 ft, no odors or staining.	SM			
4.0	2-4	NA	80%	3.8		Gray fine SAND, very moist, no odors or staining.	SP			
6.0	4-6	NA	95%	0.7		Brown and gray clayey fine SAND, very moist, no odors or staining.	SC			
8.0	6-8	NA	95%	0.3		Brown fine to coarse SAND with some gravel, wet, no odors or staining.	SW			
10.0	8-10	NA	95%	0.6		Gray fine to coarse SAND with gravel and white quartz fragments, wet, no odors or staining.	SW			
12.0	10-12					Boring terminated at 10 feet bgs.				
14.0	12-14									
16.0	14-16									
18.0	16-18									
20.0	18-20									
22.0	20-22									
24.0	22-24									

LEGEND

 Clay/Silty Clay

 Silt/Clayey Silt

 Sandy Clay/Clayey Sand

 Silty Sand

 Fine Sand

 Medium Sand

 Coarse Sand

 Fill/Backfill

 Decomposed Rock/Bedrock

 Initial Water Level

 Static Water Level

ATTACHMENT B LABORATORY REPORTS



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Est. 1970

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

Report Summary

Tuesday May 14, 2013

Report Number: L633599

Samples Received: 05/02/13

Client Project: 1018.27A

Description: Scotts-Marysville WA

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-01

Sample ID : B-1 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.6	0.100	%	2540 G-2011	05/06/13	1
Mercury	BDL	0.024	mg/kg	7471	05/03/13	1
Arsenic	13.	1.2	mg/kg	6010B	05/07/13	1
Barium	170	0.30	mg/kg	6010B	05/07/13	1
Cadmium	BDL	0.60	mg/kg	6010B	05/07/13	2
Chromium	39.	0.60	mg/kg	6010B	05/07/13	1
Lead	2.8	0.30	mg/kg	6010B	05/07/13	1
Selenium	4.6	1.2	mg/kg	6010B	05/07/13	1
Silver	0.70	0.60	mg/kg	6010B	05/07/13	1
Volatile Organics						
Acetone	0.080	0.060	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0060	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0060	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.060	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0060	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0030	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0060	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0060	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-01

Sample ID : B-1 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0060	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0060	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0060	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0060	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	105.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	101.		% Rec.	8260B	05/03/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	05/06/13	1
Anthracene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzidine	BDL	0.40	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-01

Sample ID : B-1 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(b)fluoranthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	05/06/13	1
Bis(2-chlorethoxy)methane	BDL	0.40	mg/kg	8270C	05/06/13	1
Bis(2-chloroethyl)ether	BDL	0.40	mg/kg	8270C	05/06/13	1
Bis(2-chloroisopropyl)ether	BDL	0.40	mg/kg	8270C	05/06/13	1
4-Bromophenyl-phenylether	BDL	0.40	mg/kg	8270C	05/06/13	1
2-Chloronaphthalene	BDL	0.040	mg/kg	8270C	05/06/13	1
4-Chlorophenyl-phenylether	BDL	0.40	mg/kg	8270C	05/06/13	1
Chrysene	BDL	0.040	mg/kg	8270C	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	05/06/13	1
3,3-Dichlorobenzidine	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4-Dinitrotoluene	BDL	0.40	mg/kg	8270C	05/06/13	1
2,6-Dinitrotoluene	BDL	0.40	mg/kg	8270C	05/06/13	1
Fluoranthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Fluorene	BDL	0.040	mg/kg	8270C	05/06/13	1
Hexachlorobenzene	BDL	0.40	mg/kg	8270C	05/06/13	1
Hexachloro-1,3-butadiene	BDL	0.40	mg/kg	8270C	05/06/13	1
Hexachlorocyclopentadiene	BDL	0.40	mg/kg	8270C	05/06/13	1
Hexachloroethane	BDL	0.40	mg/kg	8270C	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	05/06/13	1
Isophorone	BDL	0.40	mg/kg	8270C	05/06/13	1
Naphthalene	BDL	0.040	mg/kg	8270C	05/06/13	1
Nitrobenzene	BDL	0.40	mg/kg	8270C	05/06/13	1
n-Nitrosodimethylamine	BDL	0.40	mg/kg	8270C	05/06/13	1
n-Nitrosodiphenylamine	BDL	0.40	mg/kg	8270C	05/06/13	1
n-Nitrosodi-n-propylamine	BDL	0.40	mg/kg	8270C	05/06/13	1
Phenanthrene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzylbutyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Di-n-butyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Diethyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Dimethyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Di-n-octyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Pyrene	BDL	0.040	mg/kg	8270C	05/06/13	1
1,2,4-Trichlorobenzene	BDL	0.40	mg/kg	8270C	05/06/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2-Chlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4-Dichlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4-Dimethylphenol	BDL	0.40	mg/kg	8270C	05/06/13	1
4,6-Dinitro-2-methylphenol	BDL	0.40	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-1 2-4FT
Collected By : Tom Weir
Collection Date : 04/30/13 00:00

ESC Sample # : L633599-01

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2-Nitrophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
4-Nitrophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
Pentachlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
Phenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4,6-Trichlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	69.9		% Rec.	8270C	05/06/13	1
2-Fluorobiphenyl	80.2		% Rec.	8270C	05/06/13	1
p-Terphenyl-d14	66.1		% Rec.	8270C	05/06/13	1
Phenol-d5	79.4		% Rec.	8270C	05/06/13	1
2-Fluorophenol	67.0		% Rec.	8270C	05/06/13	1
2,4,6-Tribromophenol	90.9		% Rec.	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:37



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REPORT OF ANALYSIS

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-02

Sample ID : B-1

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 11:45

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	BDL	0.0010	mg/l	6020	05/12/13	1
Mercury	BDL	0.00020	mg/l	7470A	05/03/13	1
Barium	0.022	0.0050	mg/l	6010B	05/08/13	1
Cadmium	BDL	0.0050	mg/l	6010B	05/08/13	1
Chromium	BDL	0.010	mg/l	6010B	05/08/13	1
Lead	BDL	0.0050	mg/l	6010B	05/08/13	1
Selenium	BDL	0.020	mg/l	6010B	05/08/13	1
Silver	BDL	0.010	mg/l	6010B	05/08/13	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-02

Sample ID : B-1

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 11:45

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	97.1		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	96.1		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	95.8		% Rec.	8260B	05/03/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Acenaphthylene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Anthracene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Benzidine	BDL	0.010	mg/l	8270 C	05/09/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-02

Sample ID : B-1

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 11:45

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Bis(2-chloroethoxy)methane	BDL	0.010	mg/l	8270 C	05/09/13	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270 C	05/09/13	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270 C	05/09/13	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/09/13	1
2-Chloronaphthalene	BDL	0.0010	mg/l	8270 C	05/09/13	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/09/13	1
Chrysene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270 C	05/09/13	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270 C	05/09/13	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/09/13	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/09/13	1
Fluoranthene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Fluorene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Hexachlorobenzene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270 C	05/09/13	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270 C	05/09/13	1
Hexachloroethane	BDL	0.010	mg/l	8270 C	05/09/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Isophorone	BDL	0.010	mg/l	8270 C	05/09/13	1
Naphthalene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Nitrobenzene	BDL	0.010	mg/l	8270 C	05/09/13	1
n-Nitrosodimethylamine	BDL	0.010	mg/l	8270 C	05/09/13	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270 C	05/09/13	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270 C	05/09/13	1
Phenanthrene	BDL	0.0010	mg/l	8270 C	05/09/13	1
Benzylbutyl phthalate	BDL	0.0030	mg/l	8270 C	05/09/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.0030	mg/l	8270 C	05/09/13	1
Di-n-butyl phthalate	BDL	0.0030	mg/l	8270 C	05/09/13	1
Diethyl phthalate	BDL	0.0030	mg/l	8270 C	05/09/13	1
Dimethyl phthalate	BDL	0.0030	mg/l	8270 C	05/09/13	1
Di-n-octyl phthalate	BDL	0.0030	mg/l	8270 C	05/09/13	1
Pyrene	BDL	0.0010	mg/l	8270 C	05/09/13	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270 C	05/09/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270 C	05/09/13	1
2-Chlorophenol	BDL	0.010	mg/l	8270 C	05/09/13	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270 C	05/09/13	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270 C	05/09/13	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270 C	05/09/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-02

Sample ID : B-1

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 11:45

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.010	mg/l	8270 C	05/09/13	1
2-Nitrophenol	BDL	0.010	mg/l	8270 C	05/09/13	1
4-Nitrophenol	BDL	0.010	mg/l	8270 C	05/09/13	1
Pentachlorophenol	BDL	0.010	mg/l	8270 C	05/09/13	1
Phenol	BDL	0.010	mg/l	8270 C	05/09/13	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270 C	05/09/13	1
Surrogate Recovery						
2-Fluorophenol	18.0		% Rec.	8270 C	05/09/13	1
Phenol-d5	10.4		% Rec.	8270 C	05/09/13	1
Nitrobenzene-d5	36.8		% Rec.	8270 C	05/09/13	1
2-Fluorobiphenyl	46.6		% Rec.	8270 C	05/09/13	1
2,4,6-Tribromophenol	46.1		% Rec.	8270 C	05/09/13	1
p-Terphenyl-d14	71.9		% Rec.	8270 C	05/09/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:37



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-03

Sample ID : B-2 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	80.5	0.100	%	2540 G-2011	05/06/13	1
Gasoline Range Organics-NWTPH	BDL	5.4	mg/kg	NWTPHGX	05/13/13	43.5
Surrogate Recovery						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	05/13/13	43.5
Volatile Organics						
Acetone	0.15	0.062	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.062	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0062	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0031	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-03

Sample ID : B-2 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	0.024	0.012	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0062	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0062	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0031	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	103.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	95.9		% Rec.	8260B	05/03/13	1
Diesel Range Organics (DRO)	40.	5.0	mg/kg	NWTPHDX	05/07/13	1
Residual Range Organics (RRO)	67.	12.	mg/kg	NWTPHDX	05/07/13	1
Surrogate Recovery						
o-Terphenyl	56.3		% Rec.	NWTPHDX	05/07/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Acenaphthene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Acenaphthylene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Benzo(a)anthracene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Benzo(a)pyrene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-03

Sample ID : B-2 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Benzo(g,h,i)perylene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Benzo(k)fluoranthene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Chrysene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Dibenz(a,h)anthracene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Fluoranthene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Fluorene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Naphthalene	BDL	0.025	mg/kg	8270C-SIM	05/08/13	1
Phenanthrene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
Pyrene	BDL	0.0074	mg/kg	8270C-SIM	05/08/13	1
1-Methylnaphthalene	BDL	0.025	mg/kg	8270C-SIM	05/08/13	1
2-Methylnaphthalene	BDL	0.025	mg/kg	8270C-SIM	05/08/13	1
2-Chloronaphthalene	BDL	0.025	mg/kg	8270C-SIM	05/08/13	1
Surrogate Recovery						
Nitrobenzene-d5	93.5		% Rec.	8270C-SIM	05/08/13	1
2-Fluorobiphenyl	95.8		% Rec.	8270C-SIM	05/08/13	1
p-Terphenyl-d14	75.3		% Rec.	8270C-SIM	05/08/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:37



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-3 0-2FT
Collected By : Tom Weir
Collection Date : 04/30/13 00:00

ESC Sample # : L633599-04

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.6	0.100	%	2540 G-2011	05/06/13	1
Mercury	0.050	0.026	mg/kg	7471	05/03/13	1
Arsenic	8.2	1.3	mg/kg	6010B	05/07/13	1
Barium	110	0.33	mg/kg	6010B	05/07/13	1
Cadmium	BDL	0.33	mg/kg	6010B	05/07/13	1
Chromium	35.	0.65	mg/kg	6010B	05/07/13	1
Lead	13.	0.33	mg/kg	6010B	05/07/13	1
Selenium	3.0	1.3	mg/kg	6010B	05/07/13	1
Silver	BDL	0.65	mg/kg	6010B	05/07/13	1
Gasoline Range Organics-NWTPH	BDL	6.1	mg/kg	NWTPHGX	05/13/13	46.5
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	05/13/13	46.5
Volatile Organics						
Acetone	0.22	0.065	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.065	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0065	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0033	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-04

Sample ID : B-3 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.013	mg/kg	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	0.035	0.013	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0065	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0065	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0033	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0039	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	99.0		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	105.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	95.0		% Rec.	8260B	05/03/13	1
Diesel Range Organics (DRO)	BDL	52.	mg/kg	NWTPHDX	05/08/13	10

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-04

Sample ID : B-3 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Residual Range Organics (RRO)	BDL	130	mg/kg	NWTPHDX	05/08/13	10
Surrogate Recovery						
o-Terphenyl	77.5		% Rec.	NWTPHDX	05/08/13	10
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Acenaphthene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Acenaphthylene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Benzo(a)anthracene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Benzo(a)pyrene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Benzo(b)fluoranthene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Benzo(g,h,i)perylene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Benzo(k)fluoranthene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Chrysene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Dibenz(a,h)anthracene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Fluoranthene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Fluorene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Naphthalene	BDL	0.026	mg/kg	8270C-SIM	05/07/13	1
Phenanthrene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
Pyrene	BDL	0.0078	mg/kg	8270C-SIM	05/07/13	1
1-Methylnaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/07/13	1
2-Methylnaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/07/13	1
2-Chloronaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/07/13	1
Surrogate Recovery						
Nitrobenzene-d5	107.		% Rec.	8270C-SIM	05/07/13	1
2-Fluorobiphenyl	87.4		% Rec.	8270C-SIM	05/07/13	1
p-Terphenyl-d14	63.2		% Rec.	8270C-SIM	05/07/13	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.022	mg/kg	8082	05/06/13	1
PCB 1221	BDL	0.022	mg/kg	8082	05/06/13	1
PCB 1232	BDL	0.022	mg/kg	8082	05/06/13	1
PCB 1242	BDL	0.022	mg/kg	8082	05/06/13	1
PCB 1248	BDL	0.022	mg/kg	8082	05/06/13	1
PCB 1254	BDL	0.022	mg/kg	8082	05/06/13	1
PCB 1260	BDL	0.022	mg/kg	8082	05/06/13	1
PCBs Surrogates						
Decachlorobiphenyl	43.9		% Rec.	8082	05/06/13	1
Tetrachloro-m-xylene	74.2		% Rec.	8082	05/06/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-05

Sample ID : B-3

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 13:40

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-05

Sample ID : B-3

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 13:40

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	97.8		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	96.8		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	98.3		% Rec.	8260B	05/03/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	05/03/13	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-05

Sample ID : B-3

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 13:40

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.000050	mg/l	8270C-SIM	05/03/13	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/03/13	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/03/13	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/03/13	1
Surrogate Recovery						
Nitrobenzene-d5	106.		% Rec.	8270C-SIM	05/03/13	1
2-Fluorobiphenyl	102.		% Rec.	8270C-SIM	05/03/13	1
p-Terphenyl-d14	93.8		% Rec.	8270C-SIM	05/03/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:37



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REPORT OF ANALYSIS

May 14, 2013

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

Date Received : May 02, 2013
Description : Scotts-Marysville WA

Sample ID : B-4 0-2FT

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

ESC Sample # : L633599-06

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.4	0.100	%	2540 G-2011	05/06/13	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/03/13	1
Benzene	0.0015	0.0012	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0058	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0029	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/03/13	1

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BDL - Below Detection Limit

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-06

Sample ID : B-4 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0058	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	104.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	98.3		% Rec.	8260B	05/03/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-06

Sample ID : B-4 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Phenanthrene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0069	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	58.5		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	73.1		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	62.3		% Rec.	8270C-SIM	05/06/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-07

Sample ID : B-5 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.3	0.100	%	2540 G-2011	05/06/13	1
Gasoline Range Organics-NWTPH	BDL	4.3	mg/kg	NWTPHGX	05/13/13	37
Surrogate Recovery						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	NWTPHGX	05/13/13	37
Volatile Organics						
Acetone	0.070	0.058	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0058	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0029	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-07

Sample ID : B-5 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0058	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	102.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	97.8		% Rec.	8260B	05/03/13	1
Diesel Range Organics (DRO)	BDL	4.6	mg/kg	NWTPHDX	05/07/13	1
Residual Range Organics (RRO)	BDL	12.	mg/kg	NWTPHDX	05/07/13	1
Surrogate Recovery						
o-Terphenyl	51.7		% Rec.	NWTPHDX	05/07/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-5 0-2FT
Collected By : Tom Weir
Collection Date : 04/30/13 00:00

ESC Sample # : L633599-07

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	63.4		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	70.6		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	70.5		% Rec.	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:37



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-08

Sample ID : B-6 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.3	0.100	%	2540 G-2011	05/06/13	1
Mercury	0.029	0.026	mg/kg	7471	05/03/13	1
Arsenic	3.6	1.3	mg/kg	6010B	05/07/13	1
Barium	47.	0.32	mg/kg	6010B	05/07/13	1
Cadmium	BDL	0.32	mg/kg	6010B	05/07/13	1
Chromium	43.	0.64	mg/kg	6010B	05/07/13	1
Lead	5.4	0.32	mg/kg	6010B	05/07/13	1
Selenium	4.1	1.3	mg/kg	6010B	05/07/13	1
Silver	BDL	0.64	mg/kg	6010B	05/07/13	1
Gasoline Range Organics-NWTPH	BDL	5.2	mg/kg	NWTPHGX	05/13/13	40.5
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	05/13/13	40.5
Volatile Organics						
Acetone	0.15	0.064	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.064	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0064	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0032	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-08

Sample ID : B-6 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.013	mg/kg	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0064	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0064	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0032	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0038	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	99.1		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	114.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	91.4		% Rec.	8260B	05/03/13	1
Diesel Range Organics (DRO)	BDL	5.1	mg/kg	NWTPHDX	05/09/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-08

Sample ID : B-6 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/09/13	1
Surrogate Recovery						
o-Terphenyl	83.4		% Rec.	NWTPHDX	05/09/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.042	mg/kg	8270C	05/06/13	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	05/06/13	1
Anthracene	BDL	0.042	mg/kg	8270C	05/06/13	1
Benzidine	BDL	0.42	mg/kg	8270C	05/06/13	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	05/06/13	1
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	05/06/13	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	05/06/13	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	05/06/13	1
Bis(2-chloroethoxy)methane	BDL	0.42	mg/kg	8270C	05/06/13	1
Bis(2-chloroethyl)ether	BDL	0.42	mg/kg	8270C	05/06/13	1
Bis(2-chloroisopropyl)ether	BDL	0.42	mg/kg	8270C	05/06/13	1
4-Bromophenyl-phenylether	BDL	0.42	mg/kg	8270C	05/06/13	1
2-Chloronaphthalene	BDL	0.042	mg/kg	8270C	05/06/13	1
4-Chlorophenyl-phenylether	BDL	0.42	mg/kg	8270C	05/06/13	1
Chrysene	BDL	0.042	mg/kg	8270C	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	05/06/13	1
3,3-Dichlorobenzidine	BDL	0.42	mg/kg	8270C	05/06/13	1
2,4-Dinitrotoluene	BDL	0.42	mg/kg	8270C	05/06/13	1
2,6-Dinitrotoluene	BDL	0.42	mg/kg	8270C	05/06/13	1
Fluoranthene	BDL	0.042	mg/kg	8270C	05/06/13	1
Fluorene	BDL	0.042	mg/kg	8270C	05/06/13	1
Hexachlorobenzene	BDL	0.42	mg/kg	8270C	05/06/13	1
Hexachloro-1,3-butadiene	BDL	0.42	mg/kg	8270C	05/06/13	1
Hexachlorocyclopentadiene	BDL	0.42	mg/kg	8270C	05/06/13	1
Hexachloroethane	BDL	0.42	mg/kg	8270C	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	05/06/13	1
Isophorone	BDL	0.42	mg/kg	8270C	05/06/13	1
Naphthalene	BDL	0.042	mg/kg	8270C	05/06/13	1
Nitrobenzene	BDL	0.42	mg/kg	8270C	05/06/13	1
n-Nitrosodimethylamine	BDL	0.42	mg/kg	8270C	05/06/13	1
n-Nitrosodiphenylamine	BDL	0.42	mg/kg	8270C	05/06/13	1
n-Nitrosodi-n-propylamine	BDL	0.42	mg/kg	8270C	05/06/13	1
Phenanthrene	BDL	0.042	mg/kg	8270C	05/06/13	1
Benzylbutyl phthalate	BDL	0.42	mg/kg	8270C	05/06/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.42	mg/kg	8270C	05/06/13	1
Di-n-butyl phthalate	BDL	0.42	mg/kg	8270C	05/06/13	1
Diethyl phthalate	BDL	0.42	mg/kg	8270C	05/06/13	1
Dimethyl phthalate	1.4	0.42	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-6 0-2FT
Collected By : Tom Weir
Collection Date : 04/30/13 00:00

ESC Sample # : L633599-08

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-n-octyl phthalate	BDL	0.42	mg/kg	8270C	05/06/13	1
Pyrene	BDL	0.042	mg/kg	8270C	05/06/13	1
1,2,4-Trichlorobenzene	BDL	0.42	mg/kg	8270C	05/06/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.42	mg/kg	8270C	05/06/13	1
2-Chlorophenol	BDL	0.42	mg/kg	8270C	05/06/13	1
2,4-Dichlorophenol	BDL	0.42	mg/kg	8270C	05/06/13	1
2,4-Dimethylphenol	BDL	0.42	mg/kg	8270C	05/06/13	1
4,6-Dinitro-2-methylphenol	BDL	0.42	mg/kg	8270C	05/06/13	1
2,4-Dinitrophenol	BDL	0.42	mg/kg	8270C	05/06/13	1
2-Nitrophenol	BDL	0.42	mg/kg	8270C	05/06/13	1
4-Nitrophenol	BDL	0.42	mg/kg	8270C	05/06/13	1
Pentachlorophenol	BDL	0.42	mg/kg	8270C	05/06/13	1
Phenol	BDL	0.42	mg/kg	8270C	05/06/13	1
2,4,6-Trichlorophenol	BDL	0.42	mg/kg	8270C	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	74.4		% Rec.	8270C	05/06/13	1
2-Fluorobiphenyl	73.7		% Rec.	8270C	05/06/13	1
p-Terphenyl-d14	60.7		% Rec.	8270C	05/06/13	1
Phenol-d5	76.1		% Rec.	8270C	05/06/13	1
2-Fluorophenol	74.3		% Rec.	8270C	05/06/13	1
2,4,6-Tribromophenol	80.6		% Rec.	8270C	05/06/13	1

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BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:37



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-09

Sample ID : B-6

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 14:55

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	BDL	0.0010	mg/l	6020	05/12/13	1
Mercury	BDL	0.00020	mg/l	7470A	05/03/13	1
Barium	0.024	0.0050	mg/l	6010B	05/08/13	1
Cadmium	BDL	0.0050	mg/l	6010B	05/08/13	1
Chromium	BDL	0.010	mg/l	6010B	05/08/13	1
Lead	BDL	0.0050	mg/l	6010B	05/08/13	1
Selenium	BDL	0.020	mg/l	6010B	05/08/13	1
Silver	BDL	0.010	mg/l	6010B	05/08/13	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-09

Sample ID : B-6

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 14:55

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	99.1		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	96.8		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	98.5		% Rec.	8260B	05/03/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Acenaphthylene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Anthracene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzidine	BDL	0.010	mg/l	8270 C	05/07/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-09

Sample ID : B-6

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 14:55

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Bis(2-chloroethoxy)methane	BDL	0.010	mg/l	8270 C	05/07/13	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270 C	05/07/13	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270 C	05/07/13	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/07/13	1
2-Chloronaphthalene	BDL	0.0010	mg/l	8270 C	05/07/13	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/07/13	1
Chrysene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270 C	05/07/13	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/07/13	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/07/13	1
Fluoranthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Fluorene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Hexachlorobenzene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270 C	05/07/13	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270 C	05/07/13	1
Hexachloroethane	BDL	0.010	mg/l	8270 C	05/07/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Isophorone	BDL	0.010	mg/l	8270 C	05/07/13	1
Naphthalene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Nitrobenzene	BDL	0.010	mg/l	8270 C	05/07/13	1
n-Nitrosodimethylamine	BDL	0.010	mg/l	8270 C	05/07/13	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270 C	05/07/13	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270 C	05/07/13	1
Phenanthrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzylbutyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Bis(2-ethylhexyl)phthalate	0.0049	0.0030	mg/l	8270 C	05/07/13	1
Di-n-butyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Diethyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Dimethyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Di-n-octyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Pyrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270 C	05/07/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2-Chlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270 C	05/07/13	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270 C	05/07/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-09

Sample ID : B-6

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 14:55

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2-Nitrophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
4-Nitrophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
Pentachlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
Phenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
Surrogate Recovery						
2-Fluorophenol	37.6		% Rec.	8270 C	05/07/13	1
Phenol-d5	25.2		% Rec.	8270 C	05/07/13	1
Nitrobenzene-d5	53.6		% Rec.	8270 C	05/07/13	1
2-Fluorobiphenyl	68.7		% Rec.	8270 C	05/07/13	1
2,4,6-Tribromophenol	67.1		% Rec.	8270 C	05/07/13	1
p-Terphenyl-d14	87.4		% Rec.	8270 C	05/07/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:37



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-10

Sample ID : B-7 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.4	0.100	%	2540 G-2011	05/06/13	1
Gasoline Range Organics-NWTPH	BDL	5.4	mg/kg	NWTPHGX	05/13/13	42
Surrogate Recovery						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	05/13/13	42
Volatile Organics						
Acetone	0.11	0.064	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.064	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0064	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0032	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-10

Sample ID : B-7 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.013	mg/kg	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0064	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0064	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0064	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0032	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0038	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	96.7		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	101.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	95.9		% Rec.	8260B	05/03/13	1
Diesel Range Organics (DRO)	BDL	5.1	mg/kg	NWTPHDX	05/08/13	1
Residual Range Organics (RRO)	BDL	13.	mg/kg	NWTPHDX	05/08/13	1
Surrogate Recovery						
o-Terphenyl	54.1		% Rec.	NWTPHDX	05/08/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-10

Sample ID : B-7 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 04/30/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0076	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	58.2		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	77.5		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	76.4		% Rec.	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-11

Sample ID : B-8 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	80.3	0.100	%	2540 G-2011	05/06/13	1
Volatile Organics						
Acetone	0.062	0.062	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.062	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0062	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0031	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/03/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-11

Sample ID : B-8 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0062	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0062	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Tetrachloroethene	0.016	0.0012	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0062	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0031	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	98.7		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	103.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	96.0		% Rec.	8260B	05/03/13	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1221	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1232	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1242	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1248	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1254	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1260	BDL	0.021	mg/kg	8082	05/08/13	1
PCBs Surrogates						
Decachlorobiphenyl	69.9		% Rec.	8082	05/08/13	1
Tetrachloro-m-xylene	77.9		% Rec.	8082	05/08/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-11

Sample ID : B-8 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Anthracene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzidine	BDL	0.41	mg/kg	8270C	05/06/13	1
Benzo(a)anthracene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270C	05/06/13	1
Bis(2-chlorethoxy)methane	BDL	0.41	mg/kg	8270C	05/06/13	1
Bis(2-chloroethyl)ether	BDL	0.41	mg/kg	8270C	05/06/13	1
Bis(2-chloroisopropyl)ether	BDL	0.41	mg/kg	8270C	05/06/13	1
4-Bromophenyl-phenylether	BDL	0.41	mg/kg	8270C	05/06/13	1
2-Chloronaphthalene	BDL	0.041	mg/kg	8270C	05/06/13	1
4-Chlorophenyl-phenylether	BDL	0.41	mg/kg	8270C	05/06/13	1
Chrysene	BDL	0.041	mg/kg	8270C	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270C	05/06/13	1
3,3-Dichlorobenzidine	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4-Dinitrotoluene	BDL	0.41	mg/kg	8270C	05/06/13	1
2,6-Dinitrotoluene	BDL	0.41	mg/kg	8270C	05/06/13	1
Fluoranthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Fluorene	BDL	0.041	mg/kg	8270C	05/06/13	1
Hexachlorobenzene	BDL	0.41	mg/kg	8270C	05/06/13	1
Hexachloro-1,3-butadiene	BDL	0.41	mg/kg	8270C	05/06/13	1
Hexachlorocyclopentadiene	BDL	0.41	mg/kg	8270C	05/06/13	1
Hexachloroethane	BDL	0.41	mg/kg	8270C	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270C	05/06/13	1
Isophorone	BDL	0.41	mg/kg	8270C	05/06/13	1
Naphthalene	BDL	0.041	mg/kg	8270C	05/06/13	1
Nitrobenzene	BDL	0.41	mg/kg	8270C	05/06/13	1
n-Nitrosodimethylamine	BDL	0.41	mg/kg	8270C	05/06/13	1
n-Nitrosodiphenylamine	BDL	0.41	mg/kg	8270C	05/06/13	1
n-Nitrosodi-n-propylamine	BDL	0.41	mg/kg	8270C	05/06/13	1
Phenanthrene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzylbutyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Di-n-butyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Diethyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Dimethyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Di-n-octyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Pyrene	BDL	0.041	mg/kg	8270C	05/06/13	1
1,2,4-Trichlorobenzene	BDL	0.41	mg/kg	8270C	05/06/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2-Chlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4-Dichlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-8 0-2FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633599-11

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dimethylphenol	BDL	0.41	mg/kg	8270C	05/06/13	1
4,6-Dinitro-2-methylphenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4-Dinitrophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2-Nitrophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
4-Nitrophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
Pentachlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
Phenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4,6-Trichlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	73.7		% Rec.	8270C	05/06/13	1
2-Fluorobiphenyl	79.7		% Rec.	8270C	05/06/13	1
p-Terphenyl-d14	66.6		% Rec.	8270C	05/06/13	1
Phenol-d5	76.5		% Rec.	8270C	05/06/13	1
2-Fluorophenol	76.6		% Rec.	8270C	05/06/13	1
2,4,6-Tribromophenol	82.3		% Rec.	8270C	05/06/13	1

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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REPORT OF ANALYSIS

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

Sample ID : B-8

Collected By : Tom Weir
Collection Date : 05/01/13 09:00

ESC Sample # : L633599-12

Site ID :

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-12

Sample ID : B-8

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 09:00

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Tetrachloroethene	0.0086	0.0010	mg/l	8260B	05/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	97.0		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	97.7		% Rec.	8260B	05/03/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

May 14, 2013

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

ESC Sample # : L633599-12

Date Received : May 02, 2013
Description : Scotts-Marysville WA

Site ID :

Sample ID : B-8

Project # : 1018.27A

Collected By : Tom Weir
Collection Date : 05/01/13 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	91.0		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	90.8		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	90.4		% Rec.	8270C-SIM	05/06/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-13

Sample ID : B-9 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	77.2	0.100	%	2540 G-2011	05/06/13	1
Volatile Organics						
Acetone	BDL	0.065	mg/kg	8260B	05/03/13	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	05/03/13	1
Benzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromoform	BDL	0.0013	mg/kg	8260B	05/03/13	1
Bromomethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Chloroethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.065	mg/kg	8260B	05/03/13	1
Chloroform	BDL	0.0065	mg/kg	8260B	05/03/13	1
Chloromethane	BDL	0.0032	mg/kg	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	05/03/13	1
n-Hexane	BDL	0.013	mg/kg	8260B	05/03/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-13

Sample ID : B-9 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	05/03/13	1
Methylene Chloride	BDL	0.0065	mg/kg	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	05/03/13	1
Naphthalene	BDL	0.0065	mg/kg	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Styrene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Toluene	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0065	mg/kg	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0032	mg/kg	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/03/13	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	05/03/13	1
Xylenes, Total	BDL	0.0039	mg/kg	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	102.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	94.9		% Rec.	8260B	05/03/13	1

Results listed are dry weight basis.

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-10 2-4FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633599-14

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	80.7	0.100	%	2540 G-2011	05/06/13	1
Mercury	BDL	0.025	mg/kg	7471	05/03/13	1
Arsenic	4.5	1.2	mg/kg	6010B	05/07/13	1
Barium	52.	0.31	mg/kg	6010B	05/07/13	1
Cadmium	BDL	0.31	mg/kg	6010B	05/07/13	1
Chromium	32.	0.62	mg/kg	6010B	05/07/13	1
Lead	2.4	0.31	mg/kg	6010B	05/07/13	1
Selenium	3.7	1.2	mg/kg	6010B	05/07/13	1
Silver	BDL	0.62	mg/kg	6010B	05/07/13	1
Gasoline Range Organics-NWTPH	BDL	4.6	mg/kg	NWTPHGX	05/13/13	37
Surrogate Recovery a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	05/13/13	37
Volatile Organics						
Acetone	0.14	0.062	mg/kg	8260B	05/05/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/05/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromomethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chloroethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
2-Chloroethyl vinyl ether	BDL	0.062	mg/kg	8260B	05/05/13	1
Chloroform	BDL	0.0062	mg/kg	8260B	05/05/13	1
Chloromethane	BDL	0.0031	mg/kg	8260B	05/05/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dichlorodifluoromethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-14

Sample ID : B-10 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/05/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/05/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/05/13	1
Methylene Chloride	BDL	0.0062	mg/kg	8260B	05/05/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/05/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Naphthalene	BDL	0.0062	mg/kg	8260B	05/05/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Toluene	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichlorofluoromethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,2,3-Trichloropropane	BDL	0.0031	mg/kg	8260B	05/05/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	05/05/13	1
Surrogate Recovery						
Toluene-d8	97.9		% Rec.	8260B	05/05/13	1
Dibromofluoromethane	109.		% Rec.	8260B	05/05/13	1
4-Bromofluorobenzene	97.4		% Rec.	8260B	05/05/13	1
Diesel Range Organics (DRO)	BDL	5.0	mg/kg	NWTPHDX	05/07/13	1

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BDL - Below Detection Limit

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-14

Sample ID : B-10 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Residual Range Organics (RRO)	BDL	12.	mg/kg	NWTPHDX	05/07/13	1
Surrogate Recovery						
o-Terphenyl	58.3		% Rec.	NWTPHDX	05/07/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.025	mg/kg	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0074	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.025	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.025	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.025	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	49.5		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	86.1		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	89.3		% Rec.	8270C-SIM	05/06/13	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1221	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1232	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1242	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1248	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1254	BDL	0.021	mg/kg	8082	05/08/13	1
PCB 1260	BDL	0.021	mg/kg	8082	05/08/13	1
PCBs Surrogates						
Decachlorobiphenyl	88.2		% Rec.	8082	05/08/13	1
Tetrachloro-m-xylene	89.8		% Rec.	8082	05/08/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-15

Sample ID : B-10

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 10:50

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-15

Sample ID : B-10

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 10:50

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	98.0		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	97.4		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	96.4		% Rec.	8260B	05/03/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Acenaphthylene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Anthracene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Benzidine	BDL	0.010	mg/l	8270 C	05/06/13	1
Benzo(a)anthracene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Bis(2-chloroethoxy)methane	BDL	0.010	mg/l	8270 C	05/06/13	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270 C	05/06/13	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270 C	05/06/13	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/06/13	1
2-Chloronaphthalene	BDL	0.0010	mg/l	8270 C	05/06/13	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-15

Sample ID : B-10

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 10:50

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chrysene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270 C	05/06/13	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270 C	05/06/13	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/06/13	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/06/13	1
Fluoranthene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Fluorene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Hexachlorobenzene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270 C	05/06/13	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270 C	05/06/13	1
Hexachloroethane	BDL	0.010	mg/l	8270 C	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Isophorone	BDL	0.010	mg/l	8270 C	05/06/13	1
Naphthalene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Nitrobenzene	BDL	0.010	mg/l	8270 C	05/06/13	1
n-Nitrosodimethylamine	BDL	0.010	mg/l	8270 C	05/06/13	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270 C	05/06/13	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270 C	05/06/13	1
Phenanthrene	BDL	0.0010	mg/l	8270 C	05/06/13	1
Benzylbutyl phthalate	BDL	0.0030	mg/l	8270 C	05/06/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.0030	mg/l	8270 C	05/06/13	1
Di-n-butyl phthalate	BDL	0.0030	mg/l	8270 C	05/06/13	1
Diethyl phthalate	BDL	0.0030	mg/l	8270 C	05/06/13	1
Dimethyl phthalate	BDL	0.0030	mg/l	8270 C	05/06/13	1
Di-n-octyl phthalate	BDL	0.0030	mg/l	8270 C	05/06/13	1
Pyrene	BDL	0.0010	mg/l	8270 C	05/06/13	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270 C	05/06/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270 C	05/06/13	1
2-Chlorophenol	BDL	0.010	mg/l	8270 C	05/06/13	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270 C	05/06/13	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270 C	05/06/13	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270 C	05/06/13	1
2,4-Dinitrophenol	BDL	0.010	mg/l	8270 C	05/06/13	1
2-Nitrophenol	BDL	0.010	mg/l	8270 C	05/06/13	1
4-Nitrophenol	BDL	0.010	mg/l	8270 C	05/06/13	1
Pentachlorophenol	BDL	0.010	mg/l	8270 C	05/06/13	1
Phenol	BDL	0.010	mg/l	8270 C	05/06/13	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270 C	05/06/13	1
Surrogate Recovery						
2-Fluorophenol	35.7		% Rec.	8270 C	05/06/13	1
Phenol-d5	25.1		% Rec.	8270 C	05/06/13	1
Nitrobenzene-d5	65.8		% Rec.	8270 C	05/06/13	1
2-Fluorobiphenyl	74.4		% Rec.	8270 C	05/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-10
Collected By : Tom Weir
Collection Date : 05/01/13 10:50

ESC Sample # : L633599-15
Site ID :
Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,4,6-Tribromophenol	61.6		% Rec.	8270 C	05/06/13	1
p-Terphenyl-d14	72.8		% Rec.	8270 C	05/06/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-16

Sample ID : B-11 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.1	0.100	%	2540 G-2011	05/06/13	1
Mercury	0.031	0.024	mg/kg	7471	05/03/13	1
Arsenic	9.3	1.2	mg/kg	6010B	05/07/13	1
Barium	71.	0.30	mg/kg	6010B	05/07/13	1
Cadmium	BDL	0.30	mg/kg	6010B	05/07/13	1
Chromium	40.	0.59	mg/kg	6010B	05/07/13	1
Lead	7.8	0.30	mg/kg	6010B	05/07/13	1
Selenium	3.9	1.2	mg/kg	6010B	05/07/13	1
Silver	BDL	0.59	mg/kg	6010B	05/07/13	1
Volatile Organics						
Acetone	0.13	0.059	mg/kg	8260B	05/05/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/05/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromomethane	BDL	0.0059	mg/kg	8260B	05/05/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chloroethane	BDL	0.0059	mg/kg	8260B	05/05/13	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	05/05/13	1
Chloroform	BDL	0.0059	mg/kg	8260B	05/05/13	1
Chloromethane	BDL	0.0030	mg/kg	8260B	05/05/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	05/05/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	05/05/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-16

Sample ID : B-11 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/05/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/05/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2-Butanone (MEK)	0.031	0.012	mg/kg	8260B	05/05/13	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	05/05/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/05/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Naphthalene	BDL	0.0059	mg/kg	8260B	05/05/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Toluene	BDL	0.0059	mg/kg	8260B	05/05/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	05/05/13	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	05/05/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	05/05/13	1
Surrogate Recovery						
Toluene-d8	98.3		% Rec.	8260B	05/05/13	1
Dibromofluoromethane	111.		% Rec.	8260B	05/05/13	1
4-Bromofluorobenzene	82.7		% Rec.	8260B	05/05/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-11 0-2FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633599-16

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)pyrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	65.8		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	83.7		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	80.0		% Rec.	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

Sample ID : B-11

Collected By : Tom Weir
Collection Date : 05/01/13 11:50

ESC Sample # : L633599-17

Site ID :

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-17

Sample ID : B-11

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 11:50

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	97.8		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	97.1		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	96.5		% Rec.	8260B	05/03/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-17

Sample ID : B-11

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 11:50

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	113.		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	110.		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	111.		% Rec.	8270C-SIM	05/06/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-21 2-4FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633599-18

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.7	0.100	%	2540 G-2011	05/06/13	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	05/05/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/05/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromomethane	BDL	0.0058	mg/kg	8260B	05/05/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chloroethane	BDL	0.0058	mg/kg	8260B	05/05/13	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	05/05/13	1
Chloroform	BDL	0.0058	mg/kg	8260B	05/05/13	1
Chloromethane	BDL	0.0029	mg/kg	8260B	05/05/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	05/05/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	05/05/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/05/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/05/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-18

Sample ID : B-21 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/05/13	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	05/05/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/05/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Naphthalene	BDL	0.0058	mg/kg	8260B	05/05/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Toluene	BDL	0.0058	mg/kg	8260B	05/05/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	05/05/13	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	05/05/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	05/05/13	1
Surrogate Recovery						
Toluene-d8	99.9		% Rec.	8260B	05/05/13	1
Dibromofluoromethane	108.		% Rec.	8260B	05/05/13	1
4-Bromofluorobenzene	93.8		% Rec.	8260B	05/05/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-21 2-4FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633599-18

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Phenanthrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0070	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.023	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	45.8		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	66.4		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	78.9		% Rec.	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-19

Sample ID : B-17 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	80.5	0.100	%	2540 G-2011	05/06/13	1
Mercury	BDL	0.025	mg/kg	7471	05/03/13	1
Arsenic	3.7	1.2	mg/kg	6010B	05/07/13	1
Barium	43.	0.31	mg/kg	6010B	05/07/13	1
Cadmium	BDL	0.31	mg/kg	6010B	05/07/13	1
Chromium	37.	0.62	mg/kg	6010B	05/07/13	1
Lead	2.7	0.31	mg/kg	6010B	05/07/13	1
Selenium	3.2	1.2	mg/kg	6010B	05/07/13	1
Silver	BDL	0.62	mg/kg	6010B	05/07/13	1
Volatile Organics						
Acetone	0.20	0.062	mg/kg	8260B	05/05/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/05/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/05/13	1
Bromomethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Chloroethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
2-Chloroethyl vinyl ether	BDL	0.062	mg/kg	8260B	05/05/13	1
Chloroform	BDL	0.0062	mg/kg	8260B	05/05/13	1
Chloromethane	BDL	0.0031	mg/kg	8260B	05/05/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Dichlorodifluoromethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-19

Sample ID : B-17 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Ethylbenzene	0.0024	0.0012	mg/kg	8260B	05/05/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/05/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/05/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/05/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/05/13	1
Methylene Chloride	BDL	0.0062	mg/kg	8260B	05/05/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/05/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/05/13	1
Naphthalene	BDL	0.0062	mg/kg	8260B	05/05/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Toluene	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Trichlorofluoromethane	BDL	0.0062	mg/kg	8260B	05/05/13	1
1,2,3-Trichloropropane	BDL	0.0031	mg/kg	8260B	05/05/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/05/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/05/13	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	05/05/13	1
Surrogate Recovery						
Toluene-d8	98.8		% Rec.	8260B	05/05/13	1
Dibromofluoromethane	109.		% Rec.	8260B	05/05/13	1
4-Bromofluorobenzene	83.9		% Rec.	8260B	05/05/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	05/06/13	1
Anthracene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzidine	BDL	0.41	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-19

Sample ID : B-17 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270C	05/06/13	1
Bis(2-chlorethoxy)methane	BDL	0.41	mg/kg	8270C	05/06/13	1
Bis(2-chloroethyl)ether	BDL	0.41	mg/kg	8270C	05/06/13	1
Bis(2-chloroisopropyl)ether	BDL	0.41	mg/kg	8270C	05/06/13	1
4-Bromophenyl-phenylether	BDL	0.41	mg/kg	8270C	05/06/13	1
2-Chloronaphthalene	BDL	0.041	mg/kg	8270C	05/06/13	1
4-Chlorophenyl-phenylether	BDL	0.41	mg/kg	8270C	05/06/13	1
Chrysene	BDL	0.041	mg/kg	8270C	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270C	05/06/13	1
3,3-Dichlorobenzidine	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4-Dinitrotoluene	BDL	0.41	mg/kg	8270C	05/06/13	1
2,6-Dinitrotoluene	BDL	0.41	mg/kg	8270C	05/06/13	1
Fluoranthene	BDL	0.041	mg/kg	8270C	05/06/13	1
Fluorene	BDL	0.041	mg/kg	8270C	05/06/13	1
Hexachlorobenzene	BDL	0.41	mg/kg	8270C	05/06/13	1
Hexachloro-1,3-butadiene	BDL	0.41	mg/kg	8270C	05/06/13	1
Hexachlorocyclopentadiene	BDL	0.41	mg/kg	8270C	05/06/13	1
Hexachloroethane	BDL	0.41	mg/kg	8270C	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270C	05/06/13	1
Isophorone	BDL	0.41	mg/kg	8270C	05/06/13	1
Naphthalene	BDL	0.041	mg/kg	8270C	05/06/13	1
Nitrobenzene	BDL	0.41	mg/kg	8270C	05/06/13	1
n-Nitrosodimethylamine	BDL	0.41	mg/kg	8270C	05/06/13	1
n-Nitrosodiphenylamine	BDL	0.41	mg/kg	8270C	05/06/13	1
n-Nitrosodi-n-propylamine	BDL	0.41	mg/kg	8270C	05/06/13	1
Phenanthrene	BDL	0.041	mg/kg	8270C	05/06/13	1
Benzylbutyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Di-n-butyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Diethyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Dimethyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Di-n-octyl phthalate	BDL	0.41	mg/kg	8270C	05/06/13	1
Pyrene	BDL	0.041	mg/kg	8270C	05/06/13	1
1,2,4-Trichlorobenzene	BDL	0.41	mg/kg	8270C	05/06/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2-Chlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4-Dichlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4-Dimethylphenol	BDL	0.41	mg/kg	8270C	05/06/13	1
4,6-Dinitro-2-methylphenol	BDL	0.41	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA
Sample ID : B-17 2-4FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633599-19

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2-Nitrophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
4-Nitrophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
Pentachlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
Phenol	BDL	0.41	mg/kg	8270C	05/06/13	1
2,4,6-Trichlorophenol	BDL	0.41	mg/kg	8270C	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	73.6		% Rec.	8270C	05/06/13	1
2-Fluorobiphenyl	79.2		% Rec.	8270C	05/06/13	1
p-Terphenyl-d14	79.4		% Rec.	8270C	05/06/13	1
Phenol-d5	84.8		% Rec.	8270C	05/06/13	1
2-Fluorophenol	71.5		% Rec.	8270C	05/06/13	1
2,4,6-Tribromophenol	93.3		% Rec.	8270C	05/06/13	1

Results listed are dry weight basis.

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Reported: 05/13/13 11:04 Revised: 05/14/13 15:38



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-20

Sample ID : B-17

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 12:55

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/03/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/03/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/03/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/03/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/03/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/03/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/03/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/03/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/03/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/03/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/03/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/03/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

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Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-20

Sample ID : B-17

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 12:55

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/03/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/03/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/03/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/03/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/03/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/03/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/03/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/03/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/03/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/03/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/03/13	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	05/03/13	1
Dibromofluoromethane	106.		% Rec.	8260B	05/03/13	1
4-Bromofluorobenzene	96.3		% Rec.	8260B	05/03/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 02, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633599-20

Sample ID : B-17

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 12:55

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.000050	mg/l	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	109.		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	110.		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	108.		% Rec.	8270C-SIM	05/06/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/13/13 11:04 Revised: 05/14/13 15:38

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L633599-01	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659489	SAMP	Benzidine	R2653721	J3
	WG659524	SAMP	Cadmium	R2652940	0
L633599-02	WG659446	SAMP	Acetone	R2651440	J3
	WG660109	SAMP	Bis(2-chlorethoxy)methane	R2661182	J3
	WG660109	SAMP	Bis(2-chloroethyl)ether	R2661182	J3
	WG660109	SAMP	Bis(2-chloroisopropyl)ether	R2661182	J3
	WG660109	SAMP	Isophorone	R2661182	J3
	WG660109	SAMP	4-Chloro-3-methylphenol	R2661182	J3
	WG660109	SAMP	2-Chlorophenol	R2661182	J3
	WG660109	SAMP	2-Nitrophenol	R2661182	J3
	WG660109	SAMP	Pentachlorophenol	R2661182	J3
	WG660109	SAMP	Phenol	R2661182	J3
	WG660109	SAMP	2,4,6-Trichlorophenol	R2661182	J3
	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
L633599-03	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659793	SAMP	Naphthalene	R2658440	J4
L633599-04	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659922	SAMP	Diesel Range Organics (DRO)	R2661701	0
	WG659922	SAMP	Residual Range Organics (RRO)	R2661701	0
L633599-05	WG659481	SAMP	p-Terphenyl-d14	R2661500	J2
	WG659446	SAMP	Acetone	R2651440	J3
L633599-06	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659481	SAMP	Nitrobenzene-d5	R2654862	J2
	WG659481	SAMP	p-Terphenyl-d14	R2654862	J2
L633599-07	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659481	SAMP	Nitrobenzene-d5	R2654862	J2
	WG659481	SAMP	p-Terphenyl-d14	R2654862	J2
L633599-08	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659488	SAMP	Benzidine	R2653881	J3
	WG659488	SAMP	Bis(2-chlorethoxy)methane	R2653881	J3
	WG659488	SAMP	Hexachloro-1,3-butadiene	R2653881	J3
	WG659488	SAMP	4-Chloro-3-methylphenol	R2653881	J3
L633599-09	WG659446	SAMP	Acetone	R2651440	J3
	WG659485	SAMP	2,4-Dinitrophenol	R2657361	J4
L633599-10	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659481	SAMP	Nitrobenzene-d5	R2654862	J2
L633599-11	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
	WG659488	SAMP	Benzidine	R2653881	J3
	WG659488	SAMP	Bis(2-chlorethoxy)methane	R2653881	J3
	WG659488	SAMP	Hexachloro-1,3-butadiene	R2653881	J3
	WG659488	SAMP	4-Chloro-3-methylphenol	R2653881	J3
L633599-12	WG659446	SAMP	Acetone	R2651440	J3
L633599-13	WG659451	SAMP	2,2-Dichloropropane	R2654840	J4
	WG659451	SAMP	2-Butanone (MEK)	R2654840	J3
	WG659451	SAMP	1,1,1-Trichloroethane	R2654840	J4
L633599-14	WG659743	SAMP	Acetone	R2654163	J6
	WG659743	SAMP	1,2-Dibromoethane	R2654163	J3
	WG659743	SAMP	trans-1,3-Dichloropropene	R2654163	J3
	WG659481	SAMP	Nitrobenzene-d5	R2654862	J2
	WG659446	SAMP	Acetone	R2651440	J3
L633599-15	WG659698	SAMP	Acenaphthene	R2653882	J3
	WG659698	SAMP	Anthracene	R2653882	J3
	WG659698	SAMP	Benzo(a)anthracene	R2653882	J3
	WG659698	SAMP	Benzo(k)fluoranthene	R2653882	J3
	WG659698	SAMP	Benzo(k)fluoranthene	R2653882	J3

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L633599-16 L633599-17 L633599-18	WG659698	SAMP	4-Bromophenyl-phenylether	R2653882	J3
	WG659698	SAMP	Chrysene	R2653882	J3
	WG659698	SAMP	3,3-Dichlorobenzidine	R2653882	J3
	WG659698	SAMP	2,4-Dinitrotoluene	R2653882	J3
	WG659698	SAMP	Fluoranthene	R2653882	J3
	WG659698	SAMP	Hexachloroethane	R2653882	J3
	WG659698	SAMP	n-Nitrosodiphenylamine	R2653882	J3
	WG659698	SAMP	n-Nitrosodi-n-propylamine	R2653882	J3
	WG659698	SAMP	Pyrene	R2653882	J3
	WG659698	SAMP	4-Chloro-3-methylphenol	R2653882	J3
	WG659698	SAMP	2-Chlorophenol	R2653882	J3
	WG659698	SAMP	2,4-Dichlorophenol	R2653882	J3
	WG659698	SAMP	2,4-Dimethylphenol	R2653882	J3
	WG659698	SAMP	2-Nitrophenol	R2653882	J3
	WG659698	SAMP	Phenol	R2653882	J3
	WG659698	SAMP	2,4,6-Trichlorophenol	R2653882	J3
	WG659481	SAMP	Nitrobenzene-d5	R2654862	J2
	WG659446	SAMP	Acetone	R2651440	J3
	WG659481	SAMP	Nitrobenzene-d5	R2654862	J2
	WG659481	SAMP	2-Fluorobiphenyl	R2654862	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
0	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
05/14/13 at 15:38:36

TSR Signing Reports: 134
R5 - Desired TAT

Log As by 6020 for GWs

Sample: L633599-01 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-02 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-03 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/14/13 00:00 RPT Date: 05/13/13 11:04
Added SV8270PAHSIM - MB 5/7
Sample: L633599-04 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/14/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-05 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-06 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-07 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/14/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-08 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/14/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-09 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-10 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/14/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-11 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-12 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-13 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-14 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/14/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-15 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-16 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-17 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-18 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-19 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04
Sample: L633599-20 Account: PARENVOH Received: 05/02/13 09:00 Due Date: 05/09/13 00:00 RPT Date: 05/13/13 11:04

Partners Env. Consulting
31100 Solon Road, Ste G
Solon, OH 44139

Alternate billing information:

Quote: PARENVOH041813S

Report to:

Al Brillinger / Tom Weir

Email to:

TWEIR@PARTNERS-ENV
abrillinger@partnersenv.com

Project Description: Scotts-Marysville WA

City/State Collected

MARYSVILLE WA

Phone: (440) 248-6005
FAX: (440) 248-6374

Client Project #:

1018.27A

ESC Key:

PARENVOH-SCOTTS

Collected by: TOM WEIR

Site/Facility ID#:

P.O.#:

Collected by (signature):

Rush? (Lab MUST Be Notified)

Same Day.....200%
Next Day.....100%
Two Day.....50%

Date Results Needed:

Email? ☒ No ☐ Yes

FAX? ☐ No ☐ Yes

No.
of
Cntrs

Packed on Ice N

(Y)

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260 (3 - 40ml vials)	TS (1 - 4oz jar)	MRCRA8 (1 - 2oz jar)	NWTPHGX (1 - 2oz jar)	NWTPHDX (1 - 4oz jar)	Full list SV8270 (1 - 4oz jar)	PAHs only SV8270PAHSIM (1 - 4oz jar)	PCBs SV8082 (1 - 4oz jar)	Remarks/Contaminant	Sample # (lab only)
B-1 (2-4F)	GRAB	SS	2-4	4-30-13	-	6	X	X	X			X			L633599	-01
B-1		GW	-	4-30-13	1145	5	X		X			X			WATER SAMPLE	-02
B-2 (0-2F)		SS	0-2	4-30-13	-	6	X	X		X	X					-03
B-3 (0-2F)		SS	0-2	4-30-13	-	9	X	X	X	X	X		X	X		-04
B-3		GW	-	4-30-13	1340	4	X					X			WATER SAMPLE	-05
B-4 (0-2F)		SS	0-2	4-30-13	-	5	X	X				X				-06
B-5 (0-2F)		SS	0-2	4-30-13	-	7	X	X		X	X	X				-07
B-6 (0-2F)		SS	0-2	4-30-13	-	8	X	X	X	X	X	X				-08
B-6		GW	-	4-30-13	1455	5	X		X			X			WATER SAMPLE	-09

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH Temp

Remarks:

Flow Other

Relinquished by: (Signature)	Date: 5-1-13	Time: 1300	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1°C	Bottles Received: 113
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 5/2/13	Time: 0900
				pH Checked: 12	NCF:

Partners Env. Consulting
31100 Solon Road, Ste G
Solon, OH 44139

Alternate billing information:

Quote: PARENVOH041813S

Report to:

Al Brillinger / Tom Weir

Email to:

~~Tabrillinger~~
tabrillinger@partnersenv.com

Analysis/Container/Preservative

Chain of Custody
Page 2 of 3

Prepared by:



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858

Phone (800) 767-5859

FAX (615) 758-5859

Project
Description:

Scotts-Marysville WA

City/State
Collected

Marysville WA

Phone: (440) 248-6005
FAX: (440) 248-6374

Client Project #:

1018.27A

ESC Key:

PARENVOH-SCOTTS

Collected by:

Tom Weir

Site/Facility ID#:

P.O.#:

Collected by (signature):

Tom Weir

Rush? (Lab MUST Be Notified)

Same Day.....200%
Next Day.....100%
Two Day.....50%

Date Results Needed:

Email? ☐ No ☒ Yes

FAX? ☐ No ☐ Yes

No.
of
Cntrs

Packed on Ice N ☒

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260 (3 - 40ml vials)	TS (1 - 4oz jar)	MRCRA8 (1 - 2oz jar)	NWTPHGX (1 - 2oz jar)	NWTPHDX (1 - 4oz jar)	Full list SV8270 (1 - 4oz jar)	PAHs only SV8270PAHSIM (1 - 4oz jar)	PCBs SV8082 (1 - 4oz jar)	Remarks/Contaminant	Sample # (lab only)
B-7 (0-2ft)	GRAB	SS	0-2	4-30-13	-	7	X	X		X	X		X		L633599	-10
B-8 (0-2ft)		SS	0-2	5-1-13	-	6	X	X				X		X		-11
B-8		GW	-	5-1-13	0700	4	X						X		WATER SAMPLE	-12
B-9 (2-4ft)		SS	2-4	5-1-13	-	4	X	X								-13
B-10 (2-4ft)		SS	2-4	5-1-13	-	8	X	X	X	X	X		X	X		-14
B-10		GW	-	5-1-13	1050	4	X					X			WATER SAMPLE	-15
B-11 (0-2ft)		SS	0-2	5-1-13	-	6	X	X	X				X			-16
B-11		GW	-	5-1-13	1150	4	X						X		WATER SAMPLE	-17
B-21 (2-4ft)		SS	2-4	5-1-13	-	5	X	X					X			-18

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH Temp

Flow Other

Relinquished by: (Signature)

Tom Weir
Relinquished by: (Signature)

Relinquished by: (Signature)

Date:

5-1-13

Time:

1300

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

Samples returned via: ☐ UPS
☐ FedEx ☐ Courier

Temp: 3.0

Date: 5/2/13

Bottles Received: 113

Time: 0900

Condition: (lab use only)

pH Checked: 22

NCF:



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

Report Summary

Tuesday May 14, 2013

Report Number: L633839

Samples Received: 05/03/13

Client Project: 1018.27A

Description: Scotts-Marysville WA

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-01

Sample ID : B-18 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.9	0.100	%	2540 G-2011	05/07/13	1
Mercury	0.026	0.023	mg/kg	7471	05/04/13	1
Arsenic	BDL	1.2	mg/kg	6010B	05/08/13	1
Barium	36.	0.29	mg/kg	6010B	05/08/13	1
Cadmium	BDL	0.29	mg/kg	6010B	05/08/13	1
Chromium	6.9	0.58	mg/kg	6010B	05/08/13	1
Lead	3.6	0.29	mg/kg	6010B	05/08/13	1
Selenium	BDL	1.2	mg/kg	6010B	05/08/13	1
Silver	BDL	0.58	mg/kg	6010B	05/08/13	1
Volatile Organics						
Acetone	0.060	0.058	mg/kg	8260B	05/04/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/04/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromomethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chloroethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	05/04/13	1
Chloroform	BDL	0.0058	mg/kg	8260B	05/04/13	1
Chloromethane	BDL	0.0029	mg/kg	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-01

Sample ID : B-18 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/04/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/04/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Naphthalene	BDL	0.0058	mg/kg	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Toluene	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	95.1		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	106.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	80.5		% Rec.	8260B	05/04/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.038	mg/kg	8270C	05/06/13	1
Acenaphthylene	BDL	0.038	mg/kg	8270C	05/06/13	1
Anthracene	BDL	0.038	mg/kg	8270C	05/06/13	1
Benzidine	BDL	0.39	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-01

Sample ID : B-18 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.038	mg/kg	8270C	05/06/13	1
Benzo(b)fluoranthene	BDL	0.038	mg/kg	8270C	05/06/13	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270C	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270C	05/06/13	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270C	05/06/13	1
Bis(2-chloroethoxy)methane	BDL	0.39	mg/kg	8270C	05/06/13	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270C	05/06/13	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270C	05/06/13	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270C	05/06/13	1
2-Chloronaphthalene	BDL	0.038	mg/kg	8270C	05/06/13	1
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270C	05/06/13	1
Chrysene	BDL	0.038	mg/kg	8270C	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270C	05/06/13	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270C	05/06/13	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270C	05/06/13	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270C	05/06/13	1
Fluoranthene	BDL	0.038	mg/kg	8270C	05/06/13	1
Fluorene	BDL	0.038	mg/kg	8270C	05/06/13	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270C	05/06/13	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270C	05/06/13	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270C	05/06/13	1
Hexachloroethane	BDL	0.39	mg/kg	8270C	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270C	05/06/13	1
Isophorone	BDL	0.39	mg/kg	8270C	05/06/13	1
Naphthalene	BDL	0.038	mg/kg	8270C	05/06/13	1
Nitrobenzene	BDL	0.39	mg/kg	8270C	05/06/13	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270C	05/06/13	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270C	05/06/13	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270C	05/06/13	1
Phenanthrene	BDL	0.038	mg/kg	8270C	05/06/13	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270C	05/06/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270C	05/06/13	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270C	05/06/13	1
Diethyl phthalate	BDL	0.39	mg/kg	8270C	05/06/13	1
Dimethyl phthalate	0.72	0.39	mg/kg	8270C	05/06/13	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270C	05/06/13	1
Pyrene	BDL	0.038	mg/kg	8270C	05/06/13	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270C	05/06/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270C	05/06/13	1
2-Chlorophenol	BDL	0.39	mg/kg	8270C	05/06/13	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270C	05/06/13	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270C	05/06/13	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270C	05/06/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-18 2-4FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633839-01

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270C	05/06/13	1
2-Nitrophenol	BDL	0.39	mg/kg	8270C	05/06/13	1
4-Nitrophenol	BDL	0.39	mg/kg	8270C	05/06/13	1
Pentachlorophenol	BDL	0.39	mg/kg	8270C	05/06/13	1
Phenol	BDL	0.39	mg/kg	8270C	05/06/13	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270C	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	76.7		% Rec.	8270C	05/06/13	1
2-Fluorobiphenyl	85.3		% Rec.	8270C	05/06/13	1
p-Terphenyl-d14	79.2		% Rec.	8270C	05/06/13	1
Phenol-d5	85.6		% Rec.	8270C	05/06/13	1
2-Fluorophenol	65.2		% Rec.	8270C	05/06/13	1
2,4,6-Tribromophenol	97.3		% Rec.	8270C	05/06/13	1

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-02

Sample ID : B-19 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.6	0.100	%	2540 G-2011	05/07/13	1
Gasoline Range Organics-NWTPH	BDL	4.9	mg/kg	NWTPHGX	05/13/13	41.5
Surrogate Recovery						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	NWTPHGX	05/13/13	41.5
Volatile Organics						
Acetone	BDL	0.059	mg/kg	8260B	05/04/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/04/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromomethane	BDL	0.0059	mg/kg	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chloroethane	BDL	0.0059	mg/kg	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.059	mg/kg	8260B	05/04/13	1
Chloroform	BDL	0.0059	mg/kg	8260B	05/04/13	1
Chloromethane	BDL	0.0030	mg/kg	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0059	mg/kg	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0059	mg/kg	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-02

Sample ID : B-19 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/04/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/04/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methylene Chloride	BDL	0.0059	mg/kg	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Naphthalene	BDL	0.0059	mg/kg	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Toluene	BDL	0.0059	mg/kg	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0059	mg/kg	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	93.1		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	112.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	82.6		% Rec.	8260B	05/04/13	1
Diesel Range Organics (DRO)	BDL	4.7	mg/kg	NWTPHDX	05/07/13	1
Residual Range Organics (RRO)	BDL	12.	mg/kg	NWTPHDX	05/07/13	1
Surrogate Recovery						
o-Terphenyl	54.5		% Rec.	NWTPHDX	05/07/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-19 2-4FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633839-02

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0071	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	85.4		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	84.4		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	74.8		% Rec.	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-03

Sample ID : B-19

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 15:35

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/04/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/04/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/04/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/04/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/04/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/04/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/04/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/04/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/04/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-03

Sample ID : B-19

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 15:35

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/04/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/04/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/04/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	100.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	92.8		% Rec.	8260B	05/04/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	05/07/13	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-03

Sample ID : B-19

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 15:35

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.000050	mg/l	8270C-SIM	05/07/13	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/07/13	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/07/13	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/07/13	1
Surrogate Recovery						
Nitrobenzene-d5	128.		% Rec.	8270C-SIM	05/07/13	1
2-Fluorobiphenyl	123.		% Rec.	8270C-SIM	05/07/13	1
p-Terphenyl-d14	124.		% Rec.	8270C-SIM	05/07/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-04

Sample ID : B-20 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.9	0.100	%	2540 G-2011	05/07/13	1
Mercury	0.024	0.024	mg/kg	7471	05/04/13	1
Arsenic	BDL	1.2	mg/kg	6010B	05/08/13	1
Barium	31.	0.30	mg/kg	6010B	05/08/13	1
Cadmium	BDL	0.30	mg/kg	6010B	05/08/13	1
Chromium	6.3	0.60	mg/kg	6010B	05/08/13	1
Lead	8.2	0.30	mg/kg	6010B	05/08/13	1
Selenium	BDL	1.2	mg/kg	6010B	05/08/13	1
Silver	BDL	0.60	mg/kg	6010B	05/08/13	1
Volatile Organics						
Acetone	0.078	0.060	mg/kg	8260B	05/07/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/07/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/07/13	1
Bromomethane	BDL	0.0060	mg/kg	8260B	05/07/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/07/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
Chloroethane	BDL	0.0060	mg/kg	8260B	05/07/13	1
2-Chloroethyl vinyl ether	BDL	0.060	mg/kg	8260B	05/07/13	1
Chloroform	BDL	0.0060	mg/kg	8260B	05/07/13	1
Chloromethane	BDL	0.0030	mg/kg	8260B	05/07/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/07/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0060	mg/kg	8260B	05/07/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Dichlorodifluoromethane	BDL	0.0060	mg/kg	8260B	05/07/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/07/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/07/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/07/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-04

Sample ID : B-20 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/07/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/07/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/07/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/07/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/07/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/07/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/07/13	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/07/13	1
2-Butanone (MEK)	0.012	0.012	mg/kg	8260B	05/07/13	1
Methylene Chloride	BDL	0.0060	mg/kg	8260B	05/07/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/07/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/07/13	1
Naphthalene	BDL	0.0060	mg/kg	8260B	05/07/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Toluene	BDL	0.0060	mg/kg	8260B	05/07/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/07/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Trichlorofluoromethane	BDL	0.0060	mg/kg	8260B	05/07/13	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	05/07/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/07/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/07/13	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	05/07/13	1
Surrogate Recovery						
Toluene-d8	98.6		% Rec.	8260B	05/07/13	1
Dibromofluoromethane	108.		% Rec.	8260B	05/07/13	1
4-Bromofluorobenzene	96.0		% Rec.	8260B	05/07/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Acenaphthylene	BDL	0.040	mg/kg	8270C	05/06/13	1
Anthracene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzidine	BDL	0.40	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-04

Sample ID : B-20 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(b)fluoranthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(k)fluoranthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzo(a)pyrene	BDL	0.040	mg/kg	8270C	05/06/13	1
Bis(2-chlorethoxy)methane	BDL	0.40	mg/kg	8270C	05/06/13	1
Bis(2-chloroethyl)ether	BDL	0.40	mg/kg	8270C	05/06/13	1
Bis(2-chloroisopropyl)ether	BDL	0.40	mg/kg	8270C	05/06/13	1
4-Bromophenyl-phenylether	BDL	0.40	mg/kg	8270C	05/06/13	1
2-Chloronaphthalene	BDL	0.040	mg/kg	8270C	05/06/13	1
4-Chlorophenyl-phenylether	BDL	0.40	mg/kg	8270C	05/06/13	1
Chrysene	BDL	0.040	mg/kg	8270C	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.040	mg/kg	8270C	05/06/13	1
3,3-Dichlorobenzidine	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4-Dinitrotoluene	BDL	0.40	mg/kg	8270C	05/06/13	1
2,6-Dinitrotoluene	BDL	0.40	mg/kg	8270C	05/06/13	1
Fluoranthene	BDL	0.040	mg/kg	8270C	05/06/13	1
Fluorene	BDL	0.040	mg/kg	8270C	05/06/13	1
Hexachlorobenzene	BDL	0.40	mg/kg	8270C	05/06/13	1
Hexachloro-1,3-butadiene	BDL	0.40	mg/kg	8270C	05/06/13	1
Hexachlorocyclopentadiene	BDL	0.40	mg/kg	8270C	05/06/13	1
Hexachloroethane	BDL	0.40	mg/kg	8270C	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.040	mg/kg	8270C	05/06/13	1
Isophorone	BDL	0.40	mg/kg	8270C	05/06/13	1
Naphthalene	BDL	0.040	mg/kg	8270C	05/06/13	1
Nitrobenzene	BDL	0.40	mg/kg	8270C	05/06/13	1
n-Nitrosodimethylamine	BDL	0.40	mg/kg	8270C	05/06/13	1
n-Nitrosodiphenylamine	BDL	0.40	mg/kg	8270C	05/06/13	1
n-Nitrosodi-n-propylamine	BDL	0.40	mg/kg	8270C	05/06/13	1
Phenanthrene	BDL	0.040	mg/kg	8270C	05/06/13	1
Benzylbutyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Di-n-butyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Diethyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Dimethyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Di-n-octyl phthalate	BDL	0.40	mg/kg	8270C	05/06/13	1
Pyrene	BDL	0.040	mg/kg	8270C	05/06/13	1
1,2,4-Trichlorobenzene	BDL	0.40	mg/kg	8270C	05/06/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2-Chlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4-Dichlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4-Dimethylphenol	BDL	0.40	mg/kg	8270C	05/06/13	1
4,6-Dinitro-2-methylphenol	BDL	0.40	mg/kg	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-20 2-4FT
Collected By : Tom Weir
Collection Date : 05/01/13 00:00

ESC Sample # : L633839-04

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2-Nitrophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
4-Nitrophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
Pentachlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
Phenol	BDL	0.40	mg/kg	8270C	05/06/13	1
2,4,6-Trichlorophenol	BDL	0.40	mg/kg	8270C	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	73.7		% Rec.	8270C	05/06/13	1
2-Fluorobiphenyl	83.3		% Rec.	8270C	05/06/13	1
p-Terphenyl-d14	69.6		% Rec.	8270C	05/06/13	1
Phenol-d5	81.4		% Rec.	8270C	05/06/13	1
2-Fluorophenol	67.5		% Rec.	8270C	05/06/13	1
2,4,6-Tribromophenol	99.6		% Rec.	8270C	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

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31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-05

Sample ID : B-20

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 16:15

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic, Dissolved	0.0010	0.0010	mg/l	6020	05/12/13	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	05/07/13	1
Barium, Dissolved	0.075	0.0050	mg/l	6010B	05/10/13	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	05/10/13	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	05/10/13	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	05/10/13	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	05/10/13	1
Silver, Dissolved	BDL	0.010	mg/l	6010B	05/10/13	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/04/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/04/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/04/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/04/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/04/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/04/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-05

Sample ID : B-20

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 16:15

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/04/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/04/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/04/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/04/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/04/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/04/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	99.9		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	100.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	93.2		% Rec.	8260B	05/04/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Acenaphthylene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Anthracene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzidine	BDL	0.010	mg/l	8270 C	05/07/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-05

Sample ID : B-20

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 16:15

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)anthracene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(b)fluoranthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(k)fluoranthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(g,h,i)perylene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzo(a)pyrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Bis(2-chloroethoxy)methane	BDL	0.010	mg/l	8270 C	05/07/13	1
Bis(2-chloroethyl)ether	BDL	0.010	mg/l	8270 C	05/07/13	1
Bis(2-chloroisopropyl)ether	BDL	0.010	mg/l	8270 C	05/07/13	1
4-Bromophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/07/13	1
2-Chloronaphthalene	BDL	0.0010	mg/l	8270 C	05/07/13	1
4-Chlorophenyl-phenylether	BDL	0.010	mg/l	8270 C	05/07/13	1
Chrysene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Dibenz(a,h)anthracene	BDL	0.0010	mg/l	8270 C	05/07/13	1
3,3-Dichlorobenzidine	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/07/13	1
2,6-Dinitrotoluene	BDL	0.010	mg/l	8270 C	05/07/13	1
Fluoranthene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Fluorene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Hexachlorobenzene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Hexachloro-1,3-butadiene	BDL	0.010	mg/l	8270 C	05/07/13	1
Hexachlorocyclopentadiene	BDL	0.010	mg/l	8270 C	05/07/13	1
Hexachloroethane	BDL	0.010	mg/l	8270 C	05/07/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Isophorone	BDL	0.010	mg/l	8270 C	05/07/13	1
Naphthalene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Nitrobenzene	BDL	0.010	mg/l	8270 C	05/07/13	1
n-Nitrosodimethylamine	BDL	0.010	mg/l	8270 C	05/07/13	1
n-Nitrosodiphenylamine	BDL	0.010	mg/l	8270 C	05/07/13	1
n-Nitrosodi-n-propylamine	BDL	0.010	mg/l	8270 C	05/07/13	1
Phenanthrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
Benzylbutyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Di-n-butyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Diethyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Dimethyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Di-n-octyl phthalate	BDL	0.0030	mg/l	8270 C	05/07/13	1
Pyrene	BDL	0.0010	mg/l	8270 C	05/07/13	1
1,2,4-Trichlorobenzene	BDL	0.010	mg/l	8270 C	05/07/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2-Chlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4-Dichlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4-Dimethylphenol	BDL	0.010	mg/l	8270 C	05/07/13	1
4,6-Dinitro-2-methylphenol	BDL	0.010	mg/l	8270 C	05/07/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-05

Sample ID : B-20

Site ID :

Collected By : Tom Weir
Collection Date : 05/01/13 16:15

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2-Nitrophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
4-Nitrophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
Pentachlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
Phenol	BDL	0.010	mg/l	8270 C	05/07/13	1
2,4,6-Trichlorophenol	BDL	0.010	mg/l	8270 C	05/07/13	1
Surrogate Recovery						
2-Fluorophenol	33.9		% Rec.	8270 C	05/07/13	1
Phenol-d5	24.1		% Rec.	8270 C	05/07/13	1
Nitrobenzene-d5	59.1		% Rec.	8270 C	05/07/13	1
2-Fluorobiphenyl	78.3		% Rec.	8270 C	05/07/13	1
2,4,6-Tribromophenol	65.0		% Rec.	8270 C	05/07/13	1
p-Terphenyl-d14	84.1		% Rec.	8270 C	05/07/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

May 14, 2013

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

Date Received : May 03, 2013
Description : Scotts-Marysville WA

Sample ID : B-12 2-4FT

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-06

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.1	0.100	%	2540 G-2011	05/07/13	1
Volatile Organics						
Acetone	BDL	0.058	mg/kg	8260B	05/04/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/04/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromomethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chloroethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	05/04/13	1
Chloroform	BDL	0.0058	mg/kg	8260B	05/04/13	1
Chloromethane	BDL	0.0029	mg/kg	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/04/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/04/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-06

Sample ID : B-12 2-4FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Naphthalene	BDL	0.0058	mg/kg	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Toluene	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0058	mg/kg	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0029	mg/kg	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	95.8		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	107.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	89.1		% Rec.	8260B	05/04/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.038	mg/kg	8270C	05/11/13	1
Acenaphthylene	BDL	0.038	mg/kg	8270C	05/11/13	1
Anthracene	BDL	0.038	mg/kg	8270C	05/11/13	1
Benzidine	BDL	0.39	mg/kg	8270C	05/11/13	1
Benzo(a)anthracene	BDL	0.038	mg/kg	8270C	05/11/13	1
Benzo(b)fluoranthene	BDL	0.038	mg/kg	8270C	05/11/13	1
Benzo(k)fluoranthene	BDL	0.038	mg/kg	8270C	05/11/13	1
Benzo(g,h,i)perylene	BDL	0.038	mg/kg	8270C	05/11/13	1
Benzo(a)pyrene	BDL	0.038	mg/kg	8270C	05/11/13	1
Bis(2-chloroethoxy)methane	BDL	0.39	mg/kg	8270C	05/11/13	1
Bis(2-chloroethyl)ether	BDL	0.39	mg/kg	8270C	05/11/13	1
Bis(2-chloroisopropyl)ether	BDL	0.39	mg/kg	8270C	05/11/13	1
4-Bromophenyl-phenylether	BDL	0.39	mg/kg	8270C	05/11/13	1
2-Chloronaphthalene	BDL	0.038	mg/kg	8270C	05/11/13	1

Results listed are dry weight basis.

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Est. 1970

REPORT OF ANALYSIS

May 14, 2013

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

ESC Sample # : L633839-06

Date Received : May 03, 2013
Description : Scotts-Marysville WA

Site ID :

Sample ID : B-12 2-4FT

Project # : 1018.27A

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
4-Chlorophenyl-phenylether	BDL	0.39	mg/kg	8270C	05/11/13	1
Chrysene	BDL	0.038	mg/kg	8270C	05/11/13	1
Dibenz(a,h)anthracene	BDL	0.038	mg/kg	8270C	05/11/13	1
3,3-Dichlorobenzidine	BDL	0.39	mg/kg	8270C	05/11/13	1
2,4-Dinitrotoluene	BDL	0.39	mg/kg	8270C	05/11/13	1
2,6-Dinitrotoluene	BDL	0.39	mg/kg	8270C	05/11/13	1
Fluoranthene	BDL	0.038	mg/kg	8270C	05/11/13	1
Fluorene	BDL	0.038	mg/kg	8270C	05/11/13	1
Hexachlorobenzene	BDL	0.39	mg/kg	8270C	05/11/13	1
Hexachloro-1,3-butadiene	BDL	0.39	mg/kg	8270C	05/11/13	1
Hexachlorocyclopentadiene	BDL	0.39	mg/kg	8270C	05/11/13	1
Hexachloroethane	BDL	0.39	mg/kg	8270C	05/11/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.038	mg/kg	8270C	05/11/13	1
Isophorone	BDL	0.39	mg/kg	8270C	05/11/13	1
Naphthalene	BDL	0.038	mg/kg	8270C	05/11/13	1
Nitrobenzene	BDL	0.39	mg/kg	8270C	05/11/13	1
n-Nitrosodimethylamine	BDL	0.39	mg/kg	8270C	05/11/13	1
n-Nitrosodiphenylamine	BDL	0.39	mg/kg	8270C	05/11/13	1
n-Nitrosodi-n-propylamine	BDL	0.39	mg/kg	8270C	05/11/13	1
Phenanthrene	BDL	0.038	mg/kg	8270C	05/11/13	1
Benzylbutyl phthalate	BDL	0.39	mg/kg	8270C	05/11/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.39	mg/kg	8270C	05/11/13	1
Di-n-butyl phthalate	BDL	0.39	mg/kg	8270C	05/11/13	1
Diethyl phthalate	BDL	0.39	mg/kg	8270C	05/11/13	1
Dimethyl phthalate	BDL	0.39	mg/kg	8270C	05/11/13	1
Di-n-octyl phthalate	BDL	0.39	mg/kg	8270C	05/11/13	1
Pyrene	BDL	0.038	mg/kg	8270C	05/11/13	1
1,2,4-Trichlorobenzene	BDL	0.39	mg/kg	8270C	05/11/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.39	mg/kg	8270C	05/11/13	1
2-Chlorophenol	BDL	0.39	mg/kg	8270C	05/11/13	1
2,4-Dichlorophenol	BDL	0.39	mg/kg	8270C	05/11/13	1
2,4-Dimethylphenol	BDL	0.39	mg/kg	8270C	05/11/13	1
4,6-Dinitro-2-methylphenol	BDL	0.39	mg/kg	8270C	05/11/13	1
2,4-Dinitrophenol	BDL	0.39	mg/kg	8270C	05/11/13	1
2-Nitrophenol	BDL	0.39	mg/kg	8270C	05/11/13	1
4-Nitrophenol	BDL	0.39	mg/kg	8270C	05/11/13	1
Pentachlorophenol	BDL	0.39	mg/kg	8270C	05/11/13	1
Phenol	BDL	0.39	mg/kg	8270C	05/11/13	1
2,4,6-Trichlorophenol	BDL	0.39	mg/kg	8270C	05/11/13	1
Surrogate Recovery						
Nitrobenzene-d5	92.7		% Rec.	8270C	05/11/13	1
2-Fluorobiphenyl	104.		% Rec.	8270C	05/11/13	1
p-Terphenyl-d14	97.2		% Rec.	8270C	05/11/13	1

Results listed are dry weight basis.

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-12 2-4FT
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-06

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Phenol-d5	99.1		% Rec.	8270C	05/11/13	1
2-Fluorophenol	97.6		% Rec.	8270C	05/11/13	1
2,4,6-Tribromophenol	123.		% Rec.	8270C	05/11/13	1

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BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-12 0-2IN
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-07

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.9	0.100	%	2540 G-2011	05/07/13	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1221	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1232	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1242	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1248	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1254	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1260	BDL	0.017	mg/kg	8082	05/08/13	1
PCBs Surrogates						
Decachlorobiphenyl	79.3		% Rec.	8082	05/08/13	1
Tetrachloro-m-xylene	72.1		% Rec.	8082	05/08/13	1

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-13 0-2FT
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-08

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	92.9	0.100	%	2540 G-2011	05/07/13	1
Volatile Organics						
Acetone	BDL	0.054	mg/kg	8260B	05/04/13	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	05/04/13	1
Benzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromoform	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromomethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	05/04/13	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Chloroethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.054	mg/kg	8260B	05/04/13	1
Chloroform	BDL	0.0054	mg/kg	8260B	05/04/13	1
Chloromethane	BDL	0.0027	mg/kg	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	05/04/13	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0011	mg/kg	8260B	05/04/13	1
n-Hexane	BDL	0.011	mg/kg	8260B	05/04/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-08

Sample ID : B-13 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	05/04/13	1
Methylene Chloride	BDL	0.0054	mg/kg	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	05/04/13	1
Naphthalene	BDL	0.0054	mg/kg	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Styrene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Toluene	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0027	mg/kg	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	05/04/13	1
Xylenes, Total	BDL	0.0032	mg/kg	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	96.6		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	106.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	89.2		% Rec.	8260B	05/04/13	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.036	mg/kg	8270C	05/11/13	1
Acenaphthylene	BDL	0.036	mg/kg	8270C	05/11/13	1
Anthracene	BDL	0.036	mg/kg	8270C	05/11/13	1
Benzidine	BDL	0.36	mg/kg	8270C	05/11/13	1
Benzo(a)anthracene	BDL	0.036	mg/kg	8270C	05/11/13	1
Benzo(b)fluoranthene	BDL	0.036	mg/kg	8270C	05/11/13	1
Benzo(k)fluoranthene	BDL	0.036	mg/kg	8270C	05/11/13	1
Benzo(g,h,i)perylene	BDL	0.036	mg/kg	8270C	05/11/13	1
Benzo(a)pyrene	BDL	0.036	mg/kg	8270C	05/11/13	1
Bis(2-chloroethoxy)methane	BDL	0.36	mg/kg	8270C	05/11/13	1
Bis(2-chloroethyl)ether	BDL	0.36	mg/kg	8270C	05/11/13	1
Bis(2-chloroisopropyl)ether	BDL	0.36	mg/kg	8270C	05/11/13	1
4-Bromophenyl-phenylether	BDL	0.36	mg/kg	8270C	05/11/13	1
2-Chloronaphthalene	BDL	0.036	mg/kg	8270C	05/11/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-08

Sample ID : B-13 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
4-Chlorophenyl-phenylether	BDL	0.36	mg/kg	8270C	05/11/13	1
Chrysene	BDL	0.036	mg/kg	8270C	05/11/13	1
Dibenz(a,h)anthracene	BDL	0.036	mg/kg	8270C	05/11/13	1
3,3-Dichlorobenzidine	BDL	0.36	mg/kg	8270C	05/11/13	1
2,4-Dinitrotoluene	BDL	0.36	mg/kg	8270C	05/11/13	1
2,6-Dinitrotoluene	BDL	0.36	mg/kg	8270C	05/11/13	1
Fluoranthene	BDL	0.036	mg/kg	8270C	05/11/13	1
Fluorene	BDL	0.036	mg/kg	8270C	05/11/13	1
Hexachlorobenzene	BDL	0.36	mg/kg	8270C	05/11/13	1
Hexachloro-1,3-butadiene	BDL	0.36	mg/kg	8270C	05/11/13	1
Hexachlorocyclopentadiene	BDL	0.36	mg/kg	8270C	05/11/13	1
Hexachloroethane	BDL	0.36	mg/kg	8270C	05/11/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.036	mg/kg	8270C	05/11/13	1
Isophorone	BDL	0.36	mg/kg	8270C	05/11/13	1
Naphthalene	BDL	0.036	mg/kg	8270C	05/11/13	1
Nitrobenzene	BDL	0.36	mg/kg	8270C	05/11/13	1
n-Nitrosodimethylamine	BDL	0.36	mg/kg	8270C	05/11/13	1
n-Nitrosodiphenylamine	BDL	0.36	mg/kg	8270C	05/11/13	1
n-Nitrosodi-n-propylamine	BDL	0.36	mg/kg	8270C	05/11/13	1
Phenanthrene	BDL	0.036	mg/kg	8270C	05/11/13	1
Benzylbutyl phthalate	BDL	0.36	mg/kg	8270C	05/11/13	1
Bis(2-ethylhexyl)phthalate	BDL	0.36	mg/kg	8270C	05/11/13	1
Di-n-butyl phthalate	BDL	0.36	mg/kg	8270C	05/11/13	1
Diethyl phthalate	BDL	0.36	mg/kg	8270C	05/11/13	1
Dimethyl phthalate	BDL	0.36	mg/kg	8270C	05/11/13	1
Di-n-octyl phthalate	BDL	0.36	mg/kg	8270C	05/11/13	1
Pyrene	BDL	0.036	mg/kg	8270C	05/11/13	1
1,2,4-Trichlorobenzene	BDL	0.36	mg/kg	8270C	05/11/13	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.36	mg/kg	8270C	05/11/13	1
2-Chlorophenol	BDL	0.36	mg/kg	8270C	05/11/13	1
2,4-Dichlorophenol	BDL	0.36	mg/kg	8270C	05/11/13	1
2,4-Dimethylphenol	BDL	0.36	mg/kg	8270C	05/11/13	1
4,6-Dinitro-2-methylphenol	BDL	0.36	mg/kg	8270C	05/11/13	1
2,4-Dinitrophenol	BDL	0.36	mg/kg	8270C	05/11/13	1
2-Nitrophenol	BDL	0.36	mg/kg	8270C	05/11/13	1
4-Nitrophenol	BDL	0.36	mg/kg	8270C	05/11/13	1
Pentachlorophenol	BDL	0.36	mg/kg	8270C	05/11/13	1
Phenol	BDL	0.36	mg/kg	8270C	05/11/13	1
2,4,6-Trichlorophenol	BDL	0.36	mg/kg	8270C	05/11/13	1
Surrogate Recovery						
Nitrobenzene-d5	87.4		% Rec.	8270C	05/11/13	1
2-Fluorobiphenyl	97.9		% Rec.	8270C	05/11/13	1
p-Terphenyl-d14	92.3		% Rec.	8270C	05/11/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-13 0-2FT
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-08

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Phenol-d5	88.3		% Rec.	8270C	05/11/13	1
2-Fluorophenol	90.5		% Rec.	8270C	05/11/13	1
2,4,6-Tribromophenol	117.		% Rec.	8270C	05/11/13	1

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-09

Sample ID : B-13 0-2IN

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.2	0.100	%	2540 G-2011	05/07/13	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1221	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1232	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1242	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1248	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1254	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1260	BDL	0.017	mg/kg	8082	05/08/13	1
PCBs Surrogates						
Decachlorobiphenyl	69.9		% Rec.	8082	05/08/13	1
Tetrachloro-m-xylene	62.8		% Rec.	8082	05/08/13	1

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REPORT OF ANALYSIS

May 14, 2013

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

Date Received : May 03, 2013
Description : Scotts-Marysville WA

Sample ID : B-14 4-6FT

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-10

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.1	0.100	%	2540 G-2011	05/07/13	1
Volatile Organics						
Acetone	BDL	0.060	mg/kg	8260B	05/04/13	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	05/04/13	1
Benzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromoform	BDL	0.0012	mg/kg	8260B	05/04/13	1
Bromomethane	BDL	0.0060	mg/kg	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Chloroethane	BDL	0.0060	mg/kg	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.060	mg/kg	8260B	05/04/13	1
Chloroform	BDL	0.0060	mg/kg	8260B	05/04/13	1
Chloromethane	BDL	0.0030	mg/kg	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0060	mg/kg	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0060	mg/kg	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	05/04/13	1
n-Hexane	BDL	0.012	mg/kg	8260B	05/04/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-10

Sample ID : B-14 4-6FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methylene Chloride	BDL	0.0060	mg/kg	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	05/04/13	1
Naphthalene	BDL	0.0060	mg/kg	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Styrene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Toluene	BDL	0.0060	mg/kg	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0060	mg/kg	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	05/04/13	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	05/04/13	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	94.8		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	105.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	90.3		% Rec.	8260B	05/04/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-14 4-6FT
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-10

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Phenanthrene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0072	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.024	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	85.6		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	84.0		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	91.2		% Rec.	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

May 14, 2013

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

Date Received : May 03, 2013
Description : Scotts-Marysville WA

Sample ID : B-15 4-6FT

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-11

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	77.5	0.100	%	2540 G-2011	05/07/13	1
Volatile Organics						
Acetone	BDL	0.064	mg/kg	8260B	05/04/13	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	05/04/13	1
Benzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
Bromoform	BDL	0.0013	mg/kg	8260B	05/04/13	1
Bromomethane	BDL	0.0064	mg/kg	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	05/04/13	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
Chloroethane	BDL	0.0064	mg/kg	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.064	mg/kg	8260B	05/04/13	1
Chloroform	BDL	0.0064	mg/kg	8260B	05/04/13	1
Chloromethane	BDL	0.0032	mg/kg	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0064	mg/kg	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0064	mg/kg	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	05/04/13	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	05/04/13	1
n-Hexane	BDL	0.013	mg/kg	8260B	05/04/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-11

Sample ID : B-15 4-6FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	05/04/13	1
Methylene Chloride	BDL	0.0064	mg/kg	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	05/04/13	1
Naphthalene	BDL	0.0064	mg/kg	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Styrene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Toluene	BDL	0.0064	mg/kg	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	05/04/13	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0064	mg/kg	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0032	mg/kg	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	05/04/13	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	05/04/13	1
Xylenes, Total	BDL	0.0039	mg/kg	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	96.2		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	108.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	88.8		% Rec.	8260B	05/04/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)pyrene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-15 4-6FT
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-11

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Phenanthrene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0077	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.026	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	83.2		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	83.4		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	78.8		% Rec.	8270C-SIM	05/06/13	1

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REPORT OF ANALYSIS

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-12

Sample ID : B-15 0-2IN

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.9	0.100	%	2540 G-2011	05/07/13	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1221	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1232	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1242	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1248	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1254	BDL	0.017	mg/kg	8082	05/08/13	1
PCB 1260	BDL	0.017	mg/kg	8082	05/08/13	1
PCBs Surrogates						
Decachlorobiphenyl	111.		% Rec.	8082	05/08/13	1
Tetrachloro-m-xylene	102.		% Rec.	8082	05/08/13	1

Results listed are dry weight basis.

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Det. Limit - Practical Quantitation Limit(PQL)

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-13

Sample ID : B-15

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 13:40

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic, Dissolved	0.015	0.0010	mg/l	6020	05/12/13	1
Mercury, Dissolved	BDL	0.00020	mg/l	7470A	05/07/13	1
Barium, Dissolved	0.050	0.0050	mg/l	6010B	05/10/13	1
Cadmium, Dissolved	BDL	0.0050	mg/l	6010B	05/10/13	1
Chromium, Dissolved	BDL	0.010	mg/l	6010B	05/10/13	1
Lead, Dissolved	BDL	0.0050	mg/l	6010B	05/10/13	1
Selenium, Dissolved	BDL	0.020	mg/l	6010B	05/10/13	1
Silver, Dissolved	0.010	0.010	mg/l	6010B	05/10/13	1
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	05/04/13	1
Acrolein	BDL	0.050	mg/l	8260B	05/04/13	1
Acrylonitrile	BDL	0.010	mg/l	8260B	05/04/13	1
Benzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromoform	BDL	0.0010	mg/l	8260B	05/04/13	1
Bromomethane	BDL	0.0050	mg/l	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	05/04/13	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Chloroethane	BDL	0.0050	mg/l	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	05/04/13	1
Chloroform	BDL	0.0050	mg/l	8260B	05/04/13	1
Chloromethane	BDL	0.0025	mg/l	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Dibromomethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-13

Sample ID : B-15

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 13:40

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	05/04/13	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	05/04/13	1
n-Hexane	BDL	0.010	mg/l	8260B	05/04/13	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	05/04/13	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	05/04/13	1
Naphthalene	BDL	0.0050	mg/l	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Styrene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
Toluene	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	05/04/13	1
Trichloroethene	BDL	0.0010	mg/l	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0025	mg/l	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	05/04/13	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	05/04/13	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	99.0		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	98.2		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	93.8		% Rec.	8260B	05/04/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Acenaphthene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Acenaphthylene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Benzo(a)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)



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REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-13

Sample ID : B-15

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 13:40

Project # : 1018.27A

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Benzo(b)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Benzo(g,h,i)perylene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Benzo(k)fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Chrysene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Dibenz(a,h)anthracene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Fluoranthene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Fluorene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Naphthalene	BDL	0.00025	mg/l	8270C-SIM	05/10/13	1
Phenanthrene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
Pyrene	BDL	0.000050	mg/l	8270C-SIM	05/10/13	1
1-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/10/13	1
2-Methylnaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/10/13	1
2-Chloronaphthalene	BDL	0.00025	mg/l	8270C-SIM	05/10/13	1
Surrogate Recovery						
Nitrobenzene-d5	104.		% Rec.	8270C-SIM	05/10/13	1
2-Fluorobiphenyl	111.		% Rec.	8270C-SIM	05/10/13	1
p-Terphenyl-d14	104.		% Rec.	8270C-SIM	05/10/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36



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REPORT OF ANALYSIS

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Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA

ESC Sample # : L633839-14

Sample ID : B-16 0-2FT

Site ID :

Collected By : Tom Weir
Collection Date : 05/02/13 00:00

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	91.6	0.100	%	2540 G-2011	05/07/13	1
Mercury	0.030	0.022	mg/kg	7471	05/04/13	1
Arsenic	BDL	1.1	mg/kg	6010B	05/08/13	1
Barium	44.	0.27	mg/kg	6010B	05/08/13	1
Cadmium	BDL	0.27	mg/kg	6010B	05/08/13	1
Chromium	14.	0.54	mg/kg	6010B	05/08/13	1
Lead	3.5	0.27	mg/kg	6010B	05/08/13	1
Selenium	BDL	1.1	mg/kg	6010B	05/08/13	1
Silver	BDL	0.54	mg/kg	6010B	05/08/13	1
Volatile Organics						
Acetone	BDL	0.054	mg/kg	8260B	05/04/13	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	05/04/13	1
Benzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromoform	BDL	0.0011	mg/kg	8260B	05/04/13	1
Bromomethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	05/04/13	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Chloroethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
2-Chloroethyl vinyl ether	BDL	0.054	mg/kg	8260B	05/04/13	1
Chloroform	BDL	0.0054	mg/kg	8260B	05/04/13	1
Chloromethane	BDL	0.0027	mg/kg	8260B	05/04/13	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	05/04/13	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2-Dibromo-3-Chloropropane	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Dichlorodifluoromethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, O
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-16 0-2FT
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-14

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	05/04/13	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	05/04/13	1
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	05/04/13	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	05/04/13	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Hexachloro-1,3-butadiene	BDL	0.0011	mg/kg	8260B	05/04/13	1
n-Hexane	BDL	0.011	mg/kg	8260B	05/04/13	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	05/04/13	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	05/04/13	1
Methylene Chloride	BDL	0.0054	mg/kg	8260B	05/04/13	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	05/04/13	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	05/04/13	1
Naphthalene	BDL	0.0054	mg/kg	8260B	05/04/13	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Styrene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Toluene	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	05/04/13	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Trichlorofluoromethane	BDL	0.0054	mg/kg	8260B	05/04/13	1
1,2,3-Trichloropropane	BDL	0.0027	mg/kg	8260B	05/04/13	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	05/04/13	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	05/04/13	1
Xylenes, Total	BDL	0.0033	mg/kg	8260B	05/04/13	1
Surrogate Recovery						
Toluene-d8	94.3		% Rec.	8260B	05/04/13	1
Dibromofluoromethane	103.		% Rec.	8260B	05/04/13	1
4-Bromofluorobenzene	85.7		% Rec.	8260B	05/04/13	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Acenaphthene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Acenaphthylene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Benzo(a)anthracene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Al Brillinger
Partners Env. Consulting - Solon, OH
31100 Solon Road, Ste. G
Solon, OH 44139

May 14, 2013

Date Received : May 03, 2013
Description : Scotts-Marysville WA
Sample ID : B-16 0-2FT
Collected By : Tom Weir
Collection Date : 05/02/13 00:00

ESC Sample # : L633839-14

Site ID :

Project # : 1018.27A

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(a)pyrene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Benzo(b)fluoranthene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Benzo(g,h,i)perylene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Benzo(k)fluoranthene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Chrysene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Dibenz(a,h)anthracene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Fluoranthene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Fluorene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Indeno(1,2,3-cd)pyrene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Naphthalene	BDL	0.022	mg/kg	8270C-SIM	05/06/13	1
Phenanthrene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
Pyrene	BDL	0.0066	mg/kg	8270C-SIM	05/06/13	1
1-Methylnaphthalene	BDL	0.022	mg/kg	8270C-SIM	05/06/13	1
2-Methylnaphthalene	BDL	0.022	mg/kg	8270C-SIM	05/06/13	1
2-Chloronaphthalene	BDL	0.022	mg/kg	8270C-SIM	05/06/13	1
Surrogate Recovery						
Nitrobenzene-d5	88.3		% Rec.	8270C-SIM	05/06/13	1
2-Fluorobiphenyl	84.0		% Rec.	8270C-SIM	05/06/13	1
p-Terphenyl-d14	84.0		% Rec.	8270C-SIM	05/06/13	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 05/13/13 14:53 Revised: 05/14/13 15:36

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L633839-01	WG659646	SAMP	1,1-Dichloroethane	R2655000	J4
	WG659646	SAMP	2,2-Dichloropropane	R2655000	J4
L633839-02	WG659646	SAMP	1,1-Dichloroethane	R2655000	J4
	WG659646	SAMP	2,2-Dichloropropane	R2655000	J4
	WG659922	SAMP	Residual Range Organics (RRO)	R2657882	J6
	WG659690	SAMP	Dibenz(a,h)anthracene	R2654362	J6
L633839-03	WG659613	SAMP	Dichlorodifluoromethane	R2652580	J3
	WG659613	SAMP	1,1-Dichloroethane	R2652580	J4
L633839-04	WG659993	SAMP	Acetone	R2656360	J3
L633839-05	WG659613	SAMP	Dichlorodifluoromethane	R2652580	J3
	WG659613	SAMP	1,1-Dichloroethane	R2652580	J4
	WG659698	SAMP	Acenaphthene	R2657362	J3
	WG659698	SAMP	Anthracene	R2657362	J3
	WG659698	SAMP	Benzo(a)anthracene	R2657362	J3
	WG659698	SAMP	Benzo(k)fluoranthene	R2657362	J3
	WG659698	SAMP	4-Bromophenyl-phenylether	R2657362	J3
	WG659698	SAMP	Chrysene	R2657362	J3
	WG659698	SAMP	3,3-Dichlorobenzidine	R2657362	J3
	WG659698	SAMP	2,4-Dinitrotoluene	R2657362	J3
	WG659698	SAMP	Fluoranthene	R2657362	J3
	WG659698	SAMP	Hexachloroethane	R2657362	J3
	WG659698	SAMP	n-Nitrosodiphenylamine	R2657362	J3
	WG659698	SAMP	n-Nitrosodi-n-propylamine	R2657362	J3
	WG659698	SAMP	Pyrene	R2657362	J3
	WG659698	SAMP	4-Chloro-3-methylphenol	R2657362	J3
	WG659698	SAMP	2-Chlorophenol	R2657362	J3
	WG659698	SAMP	2,4-Dichlorophenol	R2657362	J3
	WG659698	SAMP	2,4-Dimethylphenol	R2657362	J3
	WG659698	SAMP	2-Nitrophenol	R2657362	J3
	WG659698	SAMP	Phenol	R2657362	J3
	WG659698	SAMP	2,4,6-Trichlorophenol	R2657362	J3
L633839-06	WG659646	SAMP	1,1-Dichloroethane	R2655000	J4
	WG659646	SAMP	2,2-Dichloropropane	R2655000	J4
L633839-08	WG659646	SAMP	1,1-Dichloroethane	R2655000	J4
	WG659646	SAMP	2,2-Dichloropropane	R2655000	J4
L633839-10	WG659646	SAMP	1,1-Dichloroethane	R2655000	J4
	WG659646	SAMP	2,2-Dichloropropane	R2655000	J4
L633839-11	WG659646	SAMP	1,1-Dichloroethane	R2655000	J4
	WG659646	SAMP	2,2-Dichloropropane	R2655000	J4
L633839-13	WG659613	SAMP	Dichlorodifluoromethane	R2652580	J3
	WG659613	SAMP	1,1-Dichloroethane	R2652580	J4
L633839-14	WG659646	SAMP	1,1-Dichloroethane	R2655000	J4
	WG659646	SAMP	2,2-Dichloropropane	R2655000	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
05/14/13 at 15:36:44

TSR Signing Reports: 134
R5 - Desired TAT

Log As by 6020 for GWs

Sample: L633839-01 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-02 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/14/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-03 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-04 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-05 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Field Filtered
Sample: L633839-06 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-07 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-08 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-09 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-10 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-11 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-12 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Sample: L633839-13 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53
Field Filtered
Sample: L633839-14 Account: PARENVOH Received: 05/03/13 09:30 Due Date: 05/10/13 00:00 RPT Date: 05/13/13 14:53

Partners Env. Consulting
31100 Solon Road, Ste G
Solon, OH 44139

Alternate billing information:

Quote: PARENVOH041813S

Report to:

Al Brillinger / Tom Weir

Email to:

abrillinger@partnersenv.com

Analysis/Container/Preservative

Chain of Custody
Page 1 of 2

Prepared by:

 ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858

Phone (800) 767-5859

FAX (615) 758-5859

E060

Project Description: Scotts-Marysville WA

City/State
Collected

MARYSVILLE WA

Phone: (440) 248-6005
FAX: (440) 248-6374

Client Project #:

1018.27A

ESC Key:

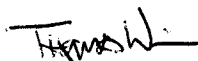
PARENVOH-SCOTTS

Collected by: Tom Weir

Site/Facility ID#:

P.O.#:

Collected by (signature):



Rush?

(Lab MUST Be Notified)

Same Day.....200%
Next Day.....100%
Two Day.....50%

Date Results Needed:

Email? ☒ No ☐ Yes

FAX? ☒ No ☐ Yes

No.
of
Cntrs

Packed on Ice N ☒

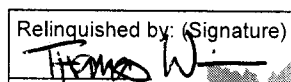
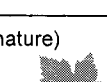
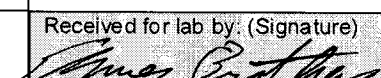
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	V8260 (3 - 40ml vials)	TS (1 - 4oz jar)	MRCRA8 (1 - 2oz jar)	NWTPHGX (1 - 2oz jar)	NWTPHDX (1 - 4oz jar)	Full list SV8270 (1 - 4oz jar)	PAHs only SV8270PAHSIM (1 - 4oz jar)	PCBs SV8082 (1 - 4oz jar)	Remarks/Contaminant	Sample # (lab only)
B-18 (2-4ft)	GRAB	SS	2-4	5-1-13	-	6	X	X	X		X				L633839-01
B-19 (2-4ft)		SS	2-4	5-1-13	-	7	X	X		X	X	X			02
B-19		GW	-	5-1-13	1535	43	X					X		WATER SAMPLE	03
B-20 (2-4ft)		SS	2-4	5-1-13	-	6	X	X	X		X				04
B-20		GW	-	5-1-13	1615	5	X		X		X			WATER SAMPLE	05
B-12 (2-4ft)		SS	2-4	5-2-13	-	5	X	X			X				06
B-12 (0-2 in)		SS	0-2 inches	5-2-13	-	1							X	CONCRETE	07
B-13 (0-2 ft)		SS	0-2	5-2-13	-	5	X	X			X				08
B-13 (0-2 in)		SS	0-2 inches	5-2-13	-	1							X	CONCRETE	09

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH Temp

Remarks:

Flow Other

Relinquished by: (Signature) 	Date: 5-2-13	Time: 1330	Received by: (Signature) 	Samples returned via: ☒ FedEx ☐ UPS ☐ Courier	Condition: (lab use only) MS		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 32	Bottles Received: 61		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 	Date: 5-2-13	Time: 0930	pH Checked: C2	NCF: YES

Partners Env. Consulting
31100 Solon Road, Ste G
Solon, OH 44139

Alternate billing information:

Quote: PARENVOH041813S

Report to:

Al Brillinger / Tom Weir

Email to:

~~WEIR~~
abrillinger@partnersenv.com

Analysis/Container/Preservative

Chain of Custody
Page 2 of 2

Prepared by:

 ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858

Phone (800) 767-5859

FAX (615) 758-5859

Project Description: Scotts-Marysville WA

City/State Collected: Marysville WA

Phone: (440) 248-6005
FAX: (440) 248-6374

Client Project #:

1018.27A

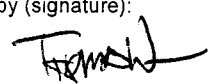
ESC Key:

PARENVOH-SCOTTS

Collected by: Tom Weir

Site/Facility ID#:

P.O.#:

Collected by (signature): 

Rush? (Lab MUST Be Notified)

___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%

Date Results Needed:

Email? No X Yes

FAX? X No Yes

Packed on Ice N

CoCode PARENVOH (lab use only)

Template/Prelogin

Shipped Via:

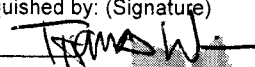
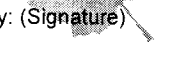
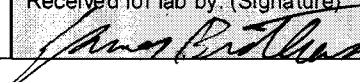
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260 (3 - 40ml vials w/HCL)	MDRCRA8 (ASDG) (1 - 500ml plastic w/HNO3)	Full list 8270 (2 - 100ml amber glass non-preserved)	PAHSIMLVI (2 - 40ml vials non-preserved)	PCB 8082	Remarks/Contaminant	Sample # (lab only)
B-14 (A-6ft)	GRAB	SS	4-6	5-2-13	-	5	X			X			1633839-10
B-15 (A-6ft)		SS	4-6	5-2-13	-	5	X			X			11
B-15 (0-2 in)		SS	0-2 inches	5-2-13	-	1					X	CONCRETE	12
B-15		GW	-	5-2-13	1340	5	X	X		X		WATER SAMPLE	13
B-16 (0-2 ft)		SS	0-2	5-2-13	-	6	X	X		X			14

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature) 	Date: 5-2-13	Time: 1330	Received by: (Signature) 	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier	Condition: (lab use only) MS
Relinquished by: (Signature) 	Date:	Time:	Received by: (Signature) 	Temp: 72	Bottles Received: 61
Relinquished by: (Signature) 	Date:	Time:	Received for lab by: (Signature) 	Date: 5/3/13	Time: 0930
				pH Checked: 7.2	NCF: YES



NON-CONFORMANCE FORM

Login No.: L633839

Date: 5-31-13

Evaluated by: James Brathwaite

Client: PARFENVOH

Non-Conformance (check applicable items)

- | | |
|---|---|
| ☐ Parameter(s) past holding time | ☐ Login Clarification Needed |
| ☐ Improper temperature | ☐ Chain of custody is incomplete |
| ☐ Improper container type | ☐ Chain of Custody is missing (see below) |
| ☐ Improper preservation | ☒ Broken container(s) (See below) |
| ☐ Container lid not intact | ☐ Broken container: sufficient sample
volume remains for analysis requested (See below) |

If no COC: Received by _____

Date: _____ Time: _____

Temp: _____ Cont. Rec _____ pH: _____

☐ Fedex ☐ UPS ☐ SWA ☐ Other _____

Tracking # _____

- ☐ Insufficient packing material around container
- ☐ Insufficient packing material inside cooler
- ☐ Improper handling by carrier (FedEx / UPS / Courier)
- ☐ Sample was frozen

Comments: Sample "13-19" had one Broken
SV Vial

Login Instructions:

TSR Initials: _____

Client informed by call / email / fax / voice mail date: _____ time: _____

Client contact: _____

