



MEMORANDUM

TO: Mr. Frank Stauff (PMF Investments, LLC)

FROM: Greg Lish, LG 
William Carroll, LG, LHG 

DATE: June 26, 2012

RE: Limited Subsurface Investigation
King Property
2885 78th Avenue Southeast
Mercer Island, Washington

Pacific Crest Environmental, LLC (Pacific Crest) has prepared this memorandum to provide PMF Investments, LLC (PMF) with a summary of the limited subsurface investigation (LSI) activities conducted at the property located at 2885 78th Avenue Southeast Mercer Island, Washington (the Subject Property) (Figure 1). The LSI was conducted in accordance with the *Proposal for Limited Subsurface Investigation and Reporting*, dated April 20, 2012, as part of the due diligence activities prior to the potential purchase of the Subject Property.

BACKGROUND

The Subject Property (King County Tax Parcel 531510-1326) is an irregular-shaped parcel totaling approximately 0.99 acres in Mercer Island, Washington (Figure 1). Improvements to the Subject Property include a single story commercial building of approximately 12,100 square feet built in 1962. The remainder of the Subject Property is developed with an asphalt-paved parking lot. The Subject Property is currently owned by King Enterprises of WA, LLC (King Enterprises).

Pacific Crest identified the following recognized environmental conditions to the Subject Property during the preparation of a Phase I Environmental Site Assessment (Phase I ESA):

- Historic and current dry cleaning operations located on the Subject Property. A+ Cleaners, a dry cleaning business operating on the Subject Property, currently uses tetrachloroethene (PCE), a halogenated volatile organic compound (HVOC), in their dry cleaning machine. An open and unlabeled container of an unknown liquid was observed adjacent to the dry cleaning machine, which uses PCE, and stained concrete around the base of the dry cleaning machine was observed, indicating spills of PCE may have previously occurred.
- A reported release of petroleum hydrocarbons occurred at the southeast-adjacent (hydraulically up-gradient) property located at 2918 78th Avenue Southeast which

resulted in the confirmed presence of total petroleum hydrocarbons (TPH) in soil and the suspected presence of TPH and HVOCs in groundwater.

- Several historical/inactive dry cleaners located within approximately 0.1-miles south of the Subject Property (hydraulically up-gradient) between 3006-3051 78th Avenue Southeast. A reported release of dry cleaning solvent occurred at one of the identified dry cleaners which resulted in the confirmed presence of HVOCs in soil, groundwater, and surface water (i.e. - storm sewer).
- A reported release of petroleum hydrocarbons at the Mercer Island Fire Station property located at 3030 78th Avenue Southeast which resulted in the presence of TPH in soil and the suspected presence of TPH in groundwater approximately 0.1-miles south of the Subject Property (hydraulically up-gradient).

Additionally, Pacific Crest identified the following historical recognized environmental condition to the Subject Property:

- A reported historical release of petroleum hydrocarbons at the south-adjacent (hydraulically up-gradient) Shell-branded retail gasoline station property located at 2903 78th Avenue Southeast which resulted in the presence of TPH in soil and groundwater. The Washington State Department of Ecology (Ecology) issued a No Further Action (NFA) determination for the site associated with this release in November 2008.

OBJECTIVES AND SCOPE OF WORK

The objective of the LSI was to assess if recognized environmental conditions identified during preparation of the Phase I ESA, prepared by Pacific Crest, have impacted soil and/or groundwater beneath the Subject Property with concentrations of petroleum hydrocarbons and/or hazardous substances associated with historical operations (i.e., dry cleaning facilities and automotive related activities).

The LSI scope of work included: advancing four soil borings to approximately 10-feet below ground surface (bgs)(first encountered groundwater); collecting soil and reconnaissance groundwater samples and observing the conditions encountered; submitting select soil and reconnaissance groundwater samples to an independent laboratory for analysis; and evaluating the results with respect to the Model Toxics Control Act (MTCA) Cleanup Regulations [Chapter 173-340 Washington Administrative Code (WAC)]. A narrative summary of the field activities is provided below.

FIELD ACTIVITIES

Activities to locate underground utilities were conducted prior to initiating invasive sampling activities at the Subject Property both by Washington's One-Call Utility Locate service and Applied Professional Services, Inc., of North Bend, Washington (APS), a private utility locating company.

On May 1, 2012, ESN Northwest (ESN) of Olympia, Washington advanced four soil borings (KP-1 through KP-4) to depths ranging from 8 to 10 feet bgs using a truck-mounted Geoprobe™ rig. Approximate boring locations are indicated on Figure 1.

During drilling, a Pacific Crest geologist was on-site to direct the field activities and to collect soil and reconnaissance groundwater samples from the borings. Soil samples were collected continuously in all borings during drilling using a 2-inch diameter macro-core sampler equipped with vinyl acetate liners. Upon retrieval from the borings, the sampler was opened and the liner cut open to expose the samples for soil classification in accordance with the Unified Soils Classification System (USCS) and inspected for evidence of visual and olfactory indication of contamination.

Soil vapor headspace analysis was conducted to field screen the samples for total volatile organic compound (TVOC) concentrations using a photoionization detector (PID). The soil vapor headspace analysis was performed by placing a portion of soil from each sample interval into a re-sealable plastic bag, allowing the sample to warm for several minutes, and recording the highest TVOC concentration inside the bag measured over a 30-second span using a PID. The USCS descriptions, observations of contamination, and field screening data were recorded on boring logs. Upon completion, the borings were backfilled with bentonite to within 6 inches of the surface, and sealed at the surface with asphalt cold-patch. Boring logs are provided in Appendix A.

Based on the results of field screening, one soil sample from each boring was collected for chemical analysis and placed into laboratory-prepared sample containers in accordance with SW-846 Method 5035 or SW-846 Method 5030. All samples were appropriately labeled, placed into a cooler on ice, and transported to OnSite Environmental, Inc. (OnSite) of Redmond, Washington, under standard chain-of-custody protocols for analysis on a standard turnaround time. OnSite analyzed the soil samples for halogenated volatile organic compounds (HVOCs) by SW-846 Method 8260B and for hydrocarbon identification (HCID) by Ecology Method NWTPH-HCID and prepared a report documenting the results. Based on the results of the HCID analysis, the soil sample collected from boring KP-3 was also analyzed for TPH as diesel range organics (DRO) and oil range organics (ORO) by Ecology Method NWTPH-Dx.

Pacific Crest also collected reconnaissance groundwater samples from each of the four borings. Groundwater samples were collected through a two-foot long direct push stainless steel retractable groundwater sampler. Groundwater samples were collected with the bottom of the groundwater sample screen set between 8 and 10 feet bgs. Groundwater sampling was performed using a peristaltic pump and dedicated polyethylene tubing. Groundwater samples for laboratory analysis were transferred directly from the dedicated tubing into laboratory-prepared sample containers preserved with hydrochloric acid. The vials were completely filled with water to eliminate potential loss of volatiles to headspace, and each vial was checked to ensure that there were no air bubbles present in the sample. All sample containers were labeled, placed on ice in a cooler, and transported to OnSite under standard chain-of-custody protocol for analysis on a standard turnaround time. OnSite analyzed the reconnaissance groundwater samples for HVOCs by SW-846 Method 8260B and HCID by Ecology Method NWTPH-HCID.

RESULTS

The soil and reconnaissance groundwater sample analytical results are summarized on Table 1 and Table 2, respectively. A copy of the laboratory analytical report is provided in Appendix B. The results of this investigation are summarized as follows:

Soil

- Subsurface conditions encountered in the soil borings consisted of clay, silt, sand and gravel.
- TVOC concentrations measured with a PID during field screening of soil ranged from 0.0 part per million (ppm) to 3.2 ppm.
- Laboratory analysis of the sample from KP-3 detected TPH as ORO at a concentration of 580 milligrams per kilogram (mg/kg), which does not exceed the MTCA Method A cleanup level for ORO in soil of 2,000 mg/kg.
- Laboratory analysis of the remaining soil samples did not detect TPH or HVOCs at concentrations above their respective laboratory practical quantitation limit (PQL).

Reconnaissance Groundwater

- Groundwater was encountered in the borings at depths ranging between 4 and 10 feet bgs.
- Laboratory analysis of the reconnaissance groundwater samples did not detect TPH or HVOCs at concentrations above their respective laboratory PQLs.

DISCUSSION

The results of the LSI indicate that the recognized environmental conditions identified during preparation of the Phase I ESA do not appear to have impacted soil or groundwater beneath the Subject Property with TPH or HVOCs at concentrations of regulatory concern.

LIMITATIONS

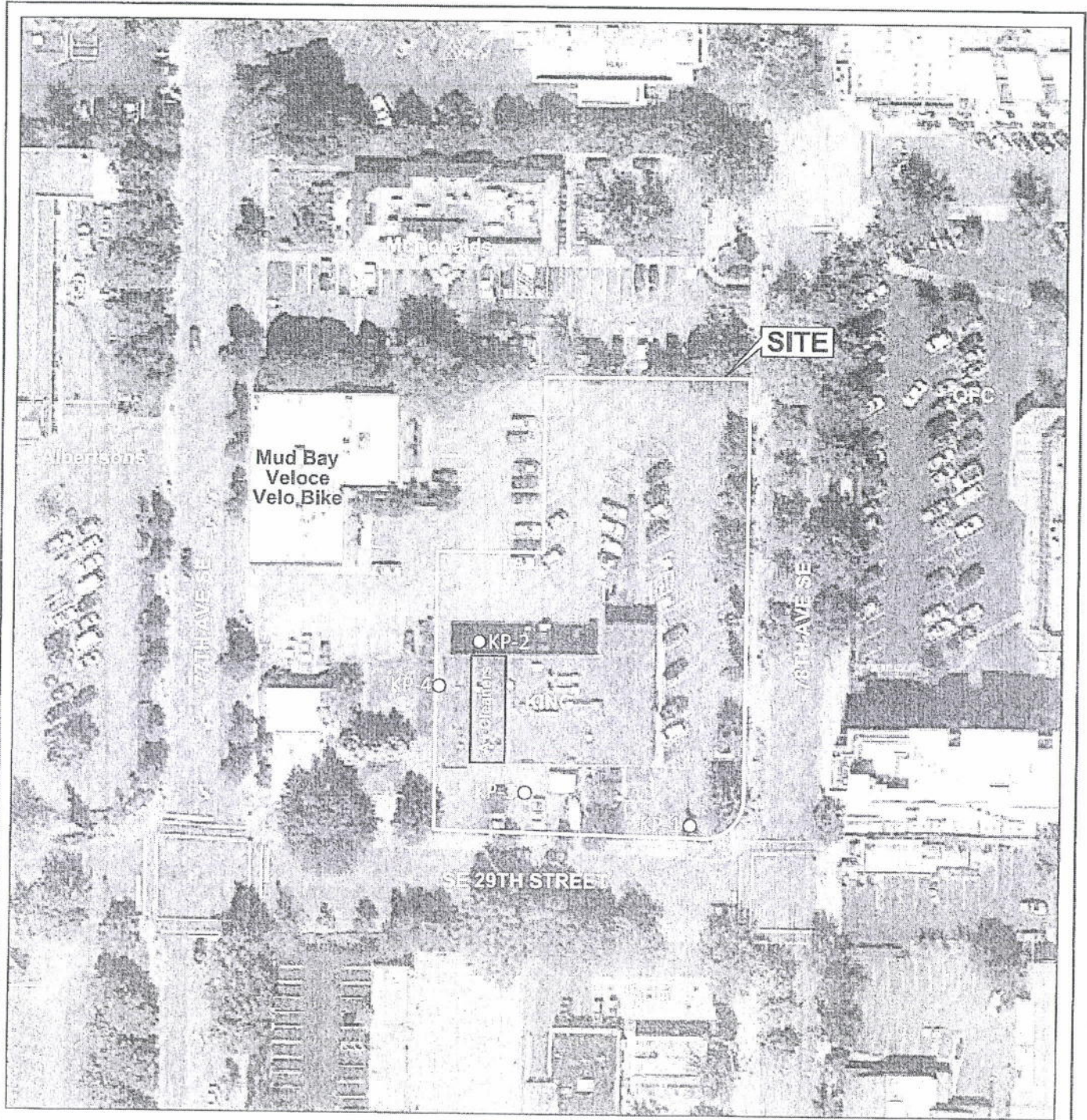
The findings and recommendations contained in this memorandum are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following limitations:

- **Accuracy of Information.** Certain information used by Pacific Crest in this report has been obtained, reviewed, and evaluated from various sources believed to be reliable. Although the conclusions, opinions, and recommendations are based in part on such information, Pacific Crest services did not include the verification of its accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Pacific Crest reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- The conclusions and recommendations presented in this report are based upon the data obtained. It is possible that additional information, including additional sampling and analyses of soil and groundwater, could alter the conclusions of this report.
- No environmental investigation is infallible. Some uncertainty will always exist concerning the presence or absence of potentially adverse conditions at any particular property, irrespective of the rigor of the investigation. Accordingly, Pacific Crest offers no warranty that adverse environmental conditions, other than those identified in this report, do not exist or may not exist there in the future.

CLOSING

Pacific Crest appreciates the opportunity to provide environmental consulting services to PMF. Please do not hesitate to contact the undersigned at 425.888.4990 if you have questions regarding the information provided herein.

Attachments: Figure 1 – Site Location Map with Boring Locations
Table 1 – Soil Analytical Results Summary
Table 2 – Reconnaissance Groundwater Analytical Results Summary
Appendix A – Boring Logs
Appendix B – Laboratory Analytical Report



Legend

KP-10 Boring Location (approximate)

Property Boundary

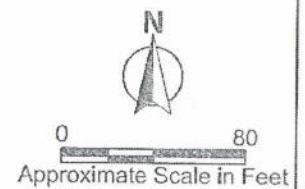


Figure 1

Site Location Map with
Boring Locations



PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-868-4990

King Property
2885 78th Avenue Southeast
Mercer Island, Washington

PN: 143-005

Table 1
Soil Analytical Results Summary
King Property
2885 78th Avenue Southeast
Mercer Island, Washington
Pacific Crest Project No. 143-005

Sample ID	Sampled By	Sample Date	Sample Depth ¹	TPH (mg/kg) ²			HVOCs (mg/kg) ³				
				GRO	DRO	ORO	Tetrachloroethene	Trichloroethene	(cis) 1,2-Dichloroethene	(trans) 1,2-Dichloroethene	Vinyl Chloride
KP1-050112-8-10	Pacific Crest	5/1/2012	8-10	<23	<58	<120	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090
KP2-050112-0.75-4	Pacific Crest	5/1/2012	0.75-4	<28	<70	<140	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
KP3-050112-4-5	Pacific Crest	5/1/2012	4-5	<25	<31	580	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
KP4-050112-4.5-8	Pacific Crest	5/1/2012	4.5-8	<28	<71	<140	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
Model Toxics Control Act Method A Cleanup Levels for Soil ⁴				100	2,000	2,000	0.05	0.03	--	--	--

NOTE:

BOLD = concentration exceeds applicable MTCA Method A Cleanup Level

< = analyte not detected at or above the laboratory practical quantitation limit.

¹Depth in feet below ground surface.

²Analyzed by Ecology Method NWTPH-HCID, and Method NWTPH-Dx, as necessary.

³Analyzed by Ecology Method SW-846 8260B.

⁴Table 740-1 of the Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 of the Washington Administrative Code, revised November 2007.

Pacific Crest = Pacific Crest Environmental, LLC

mg/kg = milligrams per kilogram

TPH = total petroleum hydrocarbons

HVOCs = halogenated volatile organic compounds

GRO = gasoline range organics

DRO = diesel range organics

ORO = oil range organics

Table 2
Reconnaissance Groundwater Analytical Results Summary
King Property
2885 78th Avenue Southeast
Mercer Island, Washington
Pacific Crest Project No. 143-005

Sample ID	Sampled By	Sample Date	Sample Depth ¹	TPH (µg/l) ²			HVOCs (µg/l) ³				
				GRO	DRO	ORO	Tetrachloroethene	Trichloroethene	(cis) 1,2-Dichloroethene	(trans) 1,2-Dichloroethene	Vinyl Chloride
KP1-050112-10RG	Pacific Crest	5/1/2012	10.0	<0.11	<0.28	<0.45	<0.20	<0.20	<0.20	<0.20	<0.20
KP2-050112-8RG	Pacific Crest	5/1/2012	8.0	<0.12	<0.29	<0.46	<0.20	<0.20	<0.20	<0.20	<0.20
KP3-050112-10RG	Pacific Crest	5/1/2012	10.0	<0.11	<0.27	<0.44	<0.20	<0.20	<0.20	<0.20	<0.20
KP4-050112-8RG	Pacific Crest	5/1/2012	8.0	<0.10	<0.26	<0.42	<0.20	<0.20	<0.20	<0.20	<0.20
Model Toxics Control Act Method A Cleanup Levels for Groundwater ⁴				1,000	500	500	5	5	--	--	0.2

NOTE:

BOLD = concentration exceeds applicable MTCA Method A Cleanup Level

< = analyte not detected at or above the laboratory practical quantitation limit.

-- = not established

¹Depth in feet below ground surface.

²Analyzed by Ecology Method NWTPH-HCID.

³Analyzed by Ecology Method SW-846 8260B.

⁴Table 720-1 of the Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation Chapter 173-340 of the Washington Administrative Code, revised November 2007.

Pacific Crest = Pacific Crest Environmental, LLC

µg/l = micrograms per liter

TPH = total petroleum hydrocarbons

HVOCs = halogenated volatile organic compounds

GRO = gasoline range organics

DRO = diesel range organics

ORO = oil range organics

**APPENDIX A
BORING LOGS**

**LIMITED SUBSURFACE INVESTIGATION
KING PROPERTY
2885 78TH AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON**

PACIFIC CREST NO. 143-005

LOG OF BORING KP-1

(Page 1 of 1)



PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Site Name: King Property
Client: PMF Investments, LLC
Project #: 143-005

Date/Time Started : 5-1-12/0905
Date/Time Completed : 5-1-12/1010
Total Boring Depth (bgs) : 10'
Depth to Water ATD : 8'
Elevation (ft) : N/A
Drilling Method : Geoprobe
Sampler Type : Macro Core

Depth In Feet	Water Level ATD	Sample	Lab No.	PID (ppm)	% Recovery	DESCRIPTION	USCS	GRAPHIC
0						0.0-0.5 - ASPHALT/CRUSHED ROCK		
1						0.5-4.0 - CLAY, trace silt (95% clay, <5% silt) gray/green, moist, no odor.		
2				0.0	75		CL	
3								
4				0.0		4.0-5.0 - Gravelly CLAY, trace silt (65% clay, 30% gravel, <5% silt), grey/green, moist, no odor.	CL	
5						5.0-8.0 - Clayey SILT, trace sand (65% silt, 30% clay, 5% fine to medium sand), brown, very moist, no odor.		
6				0.0	80		ML	
7								
8								
9			KP1-050112-8-10 @0925	0.0	30	8.0-10.0 - Clayey SILT, trace sand (65% silt, 30% clay, 5% fine to medium sand), brown, wet, no odor.	ML	
10						Bottom of boring at 10.0 feet.		
11						KP1-050112-10RG@0940 = groundwater sample		
12								
13								
14								
15								
16								
17								
18								
19								
20								

Drilling Company : ESN
Drilling Foreman : -
Equipment : Geoprobe
Back-Fill Material : Bentonite/cold patch
Pacific Crest Rep. : April Wiebenga

LOG OF BORING KP-1

(Page 1 of 1)

LOG OF BORING KP-2

(Page 1 of 1)



Site Name: King Property
Client: PMF Investment, LLC
Project #: 143-005

Date/Time Started : 5-1-12/1025
Date/Time Completed : 5-1-12/1110
Total Boring Depth (bgs) : 8'
Depth to Water ATD : 8'
Elevation (ft) : N/A
Drilling Method : Geoprobe
Sampler Type : Macro Core

Depth In Feet	Water Level ATD	Sample	Lab No.	PID (ppm)	% Recovery	DESCRIPTION	USCS	GRAPHIC
0						0.0-0.75 - ASPHALT/CRUSHED ROCK		
1						0.75-4.0 - CLAY trace silt (95% clay, <5% silt), grey/green/black, moist, no odor.		
2			KP2-050112-0.75-4 @1040	1.6	60		CL	
3								
4								
5						4.0-8.0 - CLAY trace silt (95% clay, <5% silt), grey/green/black, moist grading to wet, no odor.		
6			KP2-050112 5-8 @1045	1.7	100		CL	
7								
8						Bottom of boring at 8.0 feet.		
9						KP2-050112-8RG = groundwater sample		
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Drilling Company : ESN
Drilling Foreman : -
Equipment : Geoprobe
Back-Fill Material : Bentonite/cold patch
Pacific Crest Rep. : April Wiebenga

LOG OF BORING KP-2

(Page 1 of 1)

LOG OF BORING KP-3

(Page 1 of 1)



PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Site Name: King Property
Client: PMF Investments, LLC
Project #: 143-005

Date/Time Started : 5-1-12/1130
Date/Time Completed : 5-1-12/1230
Total Boring Depth (bgs) : 10'
Depth to Water ATD : 5'
Elevation (ft) : N/A
Drilling Method : Geoprobe
Sampler Type : Macro Core

Depth In Feet	Water Level ATD	Sample	Lab No.	PID (ppm)	% Recovery	DESCRIPTION	USCS	GRAPHIC
0						0.0-0.75 - ASPHALT/CRUSHED ROCK		
1						0.75-4.0 - CLAY with silt, trace gravel (80% clay, 15% silt, 5% gravel), green/grey, moist, no odor.		
2				2.4	100		CL	
3								
4			KP3-020112-4.0-5.0 @1155	3.2		4.0-5.0 - Gravelly CLAY, trace silt (65% clay, 30% gravel, <5% silt), grey-green, moist, no odor.	CL	
5				1.4		5.0-6.0 - CLAY, trace silt (95% clay, <5% silt), grey/brown, wet, no odor.	ML	
6			KP3-050112-6.0-8.0 @1205	2.0	100	6.0-10.0 - Clayey SAND, trace gravel (60% fine to coarse sand, 35% clay, 5% gravel), brown, wet, no odor.		
7								
8							SW	
9				1.0	40			
10						Bottom of boring at 10.0 feet.		
11						KP3-050112-10RG@1215 = groundwater sample		
12								
13								
14								
15								
16								
17								
18								
19								
20								

Drilling Company : ESN
Drilling Foreman : -
Equipment : Geoprobe
Back-Fill Material : Bentonite/cold patch
Pacific Crest Rep : April Wijebenga

LOG OF BORING KP-3

(Page 1 of 1)

LOG OF BORING KP-4

(Page 1 of 1)

Date/Time Started : 5-1-12/1235
 Date/Time Completed : 5-1-12/1310
 Total Boring Depth (bgs) : 8'
 Depth to Water ATD : 4'
 Elevation (ft) : N/A
 Drilling Method : Geoprobe
 Sampler Type : Macro Core



Site Name: King Property
 Client: PMF Investments, LLC
 Project #: 143-005

Depth In Feet	Water Level ATD	Sample	Lab No.	PID (ppm)	% Recovery	DESCRIPTION	USCS	GRAPHIC
0						0.0-0.5 - ASPHALT/CRUSHED ROCK		
1						0.5-3.0 - CLAY with gravel, (70% clay, 30% gravel), green/grey/black, moist, no odor.		
2				2.6	60		CL	
3								
4				1.3		3.0-4.0 - CLAY, trace gravel (95% clay, 5% fine to coarse gravel), green/grey/black, moist, no odor.	CL	
5						4.0-4.5 - Gravelly CLAY (60% clay, 40% fine to coarse gravel) green/grey/black, wet, no odor.	CL	
6			KP4-050112-4.5-8 @1255	1.7	100	4.5-8.0 - CLAY trace gravel (95% clay, 5% gravel), green/grey/black, wet, no odor.	CL	
7								
8						Bottom of boring at 8.0 feet.		
9						KP4-050112-8RG@1315 = groundwater sample		
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Drilling Company : ESN
 Drilling Foreman : -
 Equipment : Geoprobe
 Back-Fill Material : Bentonite/cold patch
 Pacific Crest Rep. : April Wiebenga

LOG OF BORING KP-4

(Page 1 of 1)

APPENDIX B
LABORATORY ANALYTICAL REPORT

LIMITED SUBSURFACE INVESTIGATION
KING PROPERTY
2885 78TH AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON

PACIFIC CREST NO. 143-005



**OnSite
Environmental Inc.**

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

May 8, 2012

Greg Lish
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 143-005
Laboratory Reference No. 1205-014

Dear Greg:

Enclosed are the analytical results and associated quality control data for samples submitted on May 2, 2012.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: May 8, 2012
Samples Submitted: May 2, 2012
Laboratory Reference: 1205-014
Project: 143-005

Case Narrative

Samples were collected on May 1, 2012 and received by the laboratory on May 2, 2012. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Halogenated Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

NWTPH-HCID
(with acid/silica gel clean-up)

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP1-050112-8-10					
Laboratory ID:	05-014-01					
Gasoline Range Organics	ND	23	NWTPH-HCID	5-3-12	5-3-12	
Diesel Range Organics	ND	58	NWTPH-HCID	5-3-12	5-3-12	
Lube Oil Range Organics	ND	120	NWTPH-HCID	5-3-12	5-3-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>109</i>	<i>50-150</i>				

Client ID:	KP2-050112-0.75-4					
Laboratory ID:	05-014-03					
Gasoline Range Organics	ND	28	NWTPH-HCID	5-3-12	5-3-12	
Diesel Range Organics	ND	70	NWTPH-HCID	5-3-12	5-3-12	
Lube Oil Range Organics	ND	140	NWTPH-HCID	5-3-12	5-3-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>105</i>	<i>50-150</i>				

Client ID:	KP3-050112-4-5					
Laboratory ID:	05-014-06					
Gasoline Range Organics	ND	25	NWTPH-HCID	5-3-12	5-3-12	
Diesel Range Organics	ND	62	NWTPH-HCID	5-3-12	5-3-12	
Lube Oil	Detected	120	NWTPH-HCID	5-3-12	5-3-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>118</i>	<i>50-150</i>				

Client ID:	KP4-050112-4.5-8					
Laboratory ID:	05-014-09					
Gasoline Range Organics	ND	28	NWTPH-HCID	5-3-12	5-3-12	
Diesel Range Organics	ND	71	NWTPH-HCID	5-3-12	5-3-12	
Lube Oil Range Organics	ND	140	NWTPH-HCID	5-3-12	5-3-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>103</i>	<i>50-150</i>				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

**NWTPH-HCID
 QUALITY CONTROL
 (with acid/silica gel clean-up)**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S2					
Gasoline Range Organics	ND	20	NWTPH-HCID	5-3-12	5-3-12	
Diesel Range Organics	ND	50	NWTPH-HCID	5-3-12	5-3-12	
Lube Oil Range Organics	ND	100	NWTPH-HCID	5-3-12	5-3-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	118	50-150				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

NWTPH-HCID
 (with acid/silica gel clean-up)

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP1-050112-10RG					
Laboratory ID:	05-014-02					
Gasoline Range Organics	ND	0.11	NWTPH-HCID	5-2-12	5-2-12	
Diesel Range Organics	ND	0.28	NWTPH-HCID	5-2-12	5-2-12	
Lube Oil Range Organics	ND	0.45	NWTPH-HCID	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	100	50-150				
Client ID:	KP2-050112-8RG					
Laboratory ID:	05-014-05					
Gasoline Range Organics	ND	0.12	NWTPH-HCID	5-2-12	5-2-12	
Diesel Range Organics	ND	0.29	NWTPH-HCID	5-2-12	5-2-12	
Lube Oil Range Organics	ND	0.46	NWTPH-HCID	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	104	50-150				
Client ID:	KP3-050112-10RG					
Laboratory ID:	05-014-08					
Gasoline Range Organics	ND	0.11	NWTPH-HCID	5-2-12	5-2-12	
Diesel Range Organics	ND	0.27	NWTPH-HCID	5-2-12	5-2-12	
Lube Oil Range Organics	ND	0.44	NWTPH-HCID	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	103	50-150				
Client ID:	KP4-050112-8RG					
Laboratory ID:	05-014-10					
Gasoline Range Organics	ND	0.10	NWTPH-HCID	5-2-12	5-2-12	
Diesel Range Organics	ND	0.26	NWTPH-HCID	5-2-12	5-2-12	
Lube Oil Range Organics	ND	0.42	NWTPH-HCID	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	105	50-150				

Date of Report: May 8, 2012
Samples Submitted: May 2, 2012
Laboratory Reference: 1205-014
Project: 143-005

**NWTPH-HCID
QUALITY CONTROL
(with acid/silica gel clean-up)**

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0502W1					
Gasoline Range Organics	ND	0.10	NWTPH-HCID	5-2-12	5-2-12	
Diesel Range Organics	ND	0.25	NWTPH-HCID	5-2-12	5-2-12	
Lube Oil Range Organics	ND	0.40	NWTPH-HCID	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	104	50-150				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		KP1-050112-8-10				
Laboratory ID:		05-014-01				
Dichlorodifluoromethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Chloromethane	ND	0.0045	EPA 8260	5-2-12	5-2-12	
Vinyl Chloride	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Bromomethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Chloroethane	ND	0.0045	EPA 8260	5-2-12	5-2-12	
Trichlorofluoromethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Iodomethane	ND	0.0045	EPA 8260	5-2-12	5-2-12	
Methylene Chloride	ND	0.0045	EPA 8260	5-2-12	5-2-12	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
2,2-Dichloropropane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Bromochloromethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Chloroform	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Carbon Tetrachloride	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,1-Dichloropropene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,2-Dichloroethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Trichloroethene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,2-Dichloropropane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Dibromomethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Bromodichloromethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260	5-2-12	5-2-12	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260	5-2-12	5-2-12	

Date of Report: May 8, 2012
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 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP1-050112-8-10					
Laboratory ID:	05-014-01					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Tetrachloroethene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,3-Dichloropropane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Dibromochloromethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,2-Dibromoethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Chlorobenzene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Bromoform	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Bromobenzene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260	5-2-12	5-2-12	
2-Chlorotoluene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
4-Chlorotoluene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260	5-2-12	5-2-12	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Hexachlorobutadiene	ND	0.0045	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	93	63-127				
Toluene-d8	96	65-129				
4-Bromofluorobenzene	99	55-121				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
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 Project: 143-005

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP2-050112-0.75-4					
Laboratory ID:	05-014-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Chloromethane	ND	0.0062	EPA 8260	5-2-12	5-2-12	
Vinyl Chloride	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Bromomethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Chloroethane	ND	0.0062	EPA 8260	5-2-12	5-2-12	
Trichlorofluoromethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Iodomethane	ND	0.0062	EPA 8260	5-2-12	5-2-12	
Metylene Chloride	ND	0.0062	EPA 8260	5-2-12	5-2-12	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
2,2-Dichloropropane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Bromochloromethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Chloroform	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Carbon Tetrachloride	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,1-Dichloropropene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,2-Dichloroethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Trichloroethene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,2-Dichloropropane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Dibromomethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Bromodichloromethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260	5-2-12	5-2-12	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260	5-2-12	5-2-12	

Date of Report: May 8, 2012
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		KP2-050112-0.75-4				
Laboratory ID:		05-014-03				
1,1,2-Trichloroethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Tetrachloroethene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,3-Dichloropropane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Dibromochloromethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,2-Dibromoethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Chlorobenzene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Bromoform	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Bromobenzene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260	5-2-12	5-2-12	
2-Chlorotoluene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
4-Chlorotoluene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
1,2-Dibromo-3-chloropropane	ND	0.0062	EPA 8260	5-2-12	5-2-12	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
Hexachlorobutadiene	ND	0.0062	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260	5-2-12	5-2-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>63-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>65-129</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>55-121</i>				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KP3-050112-4-5						
Laboratory ID: 05-014-06						
Dichlorodifluoromethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Chloromethane	ND	0.0054	EPA 8260	5-2-12	5-2-12	
Vinyl Chloride	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Bromomethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Chloroethane	ND	0.0054	EPA 8260	5-2-12	5-2-12	
Trichlorofluoromethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Iodomethane	ND	0.0054	EPA 8260	5-2-12	5-2-12	
Methylene Chloride	ND	0.0054	EPA 8260	5-2-12	5-2-12	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
2,2-Dichloropropane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Bromochloromethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Chloroform	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Carbon Tetrachloride	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,1-Dichloropropene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,2-Dichloroethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Trichloroethene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,2-Dichloropropane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Dibromomethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Bromodichloromethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260	5-2-12	5-2-12	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	5-2-12	5-2-12	

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HALOGENATED VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP3-050112-4-5					
Laboratory ID:	05-014-06					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Tetrachloroethene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,3-Dichloropropane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Dibromochloromethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,2-Dibromoethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Chlorobenzene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Bromoform	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Bromobenzene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	5-2-12	5-2-12	
2-Chlorotoluene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
4-Chlorotoluene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260	5-2-12	5-2-12	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Hexachlorobutadiene	ND	0.0054	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	63-127				
Toluene-d8	98	65-129				
4-Bromofluorobenzene	93	55-121				

Date of Report: May 8, 2012
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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP4-050112-4.5-8					
Laboratory ID:	05-014-09					
Dichlorodifluoromethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Chloromethane	ND	0.0064	EPA 8260	5-2-12	5-2-12	
Vinyl Chloride	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Bromomethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Chloroethane	ND	0.0064	EPA 8260	5-2-12	5-2-12	
Trichlorofluoromethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Iodomethane	ND	0.0064	EPA 8260	5-2-12	5-2-12	
Methylene Chloride	ND	0.0064	EPA 8260	5-2-12	5-2-12	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
2,2-Dichloropropane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Bromochloromethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Chloroform	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Carbon Tetrachloride	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,1-Dichloropropene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,2-Dichloroethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Trichloroethene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,2-Dichloropropane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Dibromomethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Bromodichloromethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260	5-2-12	5-2-12	
(cis) 1,3 Dichloropropene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260	5-2-12	5-2-12	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP4-050112-4.5-8					
Laboratory ID:	05-014-09					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Tetrachloroethene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,3-Dichloropropane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Dibromochloromethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,2-Dibromoethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Chlorobenzene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Bromoform	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Bromobenzene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260	5-2-12	5-2-12	
2-Chlorotoluene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
4-Chlorotoluene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260	5-2-12	5-2-12	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Hexachlorobutadiene	ND	0.0064	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260	5-2-12	5-2-12	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	91	63-127				
Toluene-d8	92	65-129				
4-Bromofluorobenzene	93	55-121				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

**HALOGENATED VOLATILES by EPA 8260B
 METHOD BLANK QUALITY CONTROL**

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Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0502S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Chloromethane	ND	0.0050	EPA 8260	5-2-12	5-2-12	
Vinyl Chloride	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Bromomethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Chloroethane	ND	0.0050	EPA 8260	5-2-12	5-2-12	
Trichlorofluoromethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Iodomethane	ND	0.0050	EPA 8260	5-2-12	5-2-12	
Methylene Chloride	ND	0.0050	EPA 8260	5-2-12	5-2-12	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,1-Dichloroethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
2,2-Dichloropropane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Bromochloromethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Chloroform	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Carbon Tetrachloride	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,1-Dichloropropene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,2-Dichloroethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Trichloroethene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,2-Dichloropropane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Dibromomethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Bromodichloromethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	5-2-12	5-2-12	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	5-2-12	5-2-12	

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
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Laboratory ID:	MB0502S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Tetrachloroethene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,3-Dichloropropane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Dibromochloromethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,2-Dibromoethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Chlorobenzene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Bromoform	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Bromobenzene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	5-2-12	5-2-12	
2-Chlorotoluene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
4-Chlorotoluene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	5-2-12	5-2-12	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
Hexachlorobutadiene	ND	0.0050	EPA 8260	5-2-12	5-2-12	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	5-2-12	5-2-12	
<hr/>						
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	101	63-127				
Toluene-d8	102	65-129				
4-Bromofluorobenzene	103	55-121				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0502S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0462	0.0467	0.0500	0.0500	92	93	70-130	1	19	
Benzene	0.0442	0.0445	0.0500	0.0500	88	89	70-125	1	15	
Trichloroethene	0.0472	0.0470	0.0500	0.0500	94	94	70-122	0	14	
Toluene	0.0464	0.0467	0.0500	0.0500	93	93	73-120	1	16	
Chlorobenzene	0.0531	0.0523	0.0500	0.0500	106	105	74-120	2	12	
Surrogate:										
Dibromofluoromethane					95	95	63-127			
Toluene-d8					96	97	65-129			
4-Bromofluorobenzene					97	99	55-121			

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP1-050112-10RG					
Laboratory ID:	05-014-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloromethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Vinyl Chloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Iodomethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Methylene Chloride	ND	1.0	EPA 8260	5-3-12	5-3-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroform	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Trichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromodichloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	5-3-12	5-3-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		KP1-050112-10RG				
Laboratory ID:		05-014-02				
1,1,2-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Tetrachloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromoform	ND	1.0	EPA 8260	5-3-12	5-3-12	
Bromobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
4-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	5-3-12	5-3-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	96	68-120				
Toluene-d8	89	73-120				
4-Bromofluorobenzene	88	65-120				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		KP2-050112-8RG				
Laboratory ID:		05-014-05				
Dichlorodifluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloromethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Vinyl Chloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Iodomethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Methylene Chloride	ND	1.0	EPA 8260	5-3-12	5-3-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroform	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Trichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromodichloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	5-3-12	5-3-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
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HALOGENATED VOLATILES by EPA 8260B

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP2-050112-8RG					
Laboratory ID:	05-014-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Tetrachloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromoform	ND	1.0	EPA 8260	5-3-12	5-3-12	
Bromobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
4-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	5-3-12	5-3-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	99	68-120				
Toluene-d8	92	73-120				
4-Bromofluorobenzene	91	65-120				

Date of Report: May 8, 2012
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HALOGENATED VOLATILES by EPA 8260B

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP3-050112-10RG					
Laboratory ID:	05-014-08					
Dichlorodifluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloromethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Vinyl Chloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Iodomethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Methylene Chloride	ND	1.0	EPA 8260	5-3-12	5-3-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroform	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Trichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromodichloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	5-3-12	5-3-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	

Date of Report: May 8, 2012
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HALOGENATED VOLATILES by EPA 8260B

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		KP3-050112-10RG				
Laboratory ID:		05-014-08				
1,1,2-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Tetrachloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromoform	ND	1.0	EPA 8260	5-3-12	5-3-12	
Bromobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
4-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	5-3-12	5-3-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>68-120</i>				
<i>Toluene-d8</i>	<i>89</i>	<i>73-120</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>65-120</i>				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		KP4-050112-8RG				
Laboratory ID:		05-014-10				
Dichlorodifluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloromethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Vinyl Chloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Iodomethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Methylene Chloride	ND	1.0	EPA 8260	5-3-12	5-3-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroform	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Trichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromodichloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	5-3-12	5-3-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP4-050112-BRG					
Laboratory ID:	05-014-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Tetrachloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromoform	ND	1.0	EPA 8260	5-3-12	5-3-12	
Bromobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
4-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	5-3-12	5-3-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	100	68-120				
Toluene-d8	92	73-120				
4-Bromofluorobenzene	93	65-120				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<hr/>						
Laboratory ID:	MB0503W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloromethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Vinyl Chloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Trichlorofluoromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Iodomethane	ND	1.0	EPA 8260	5-3-12	5-3-12	
Methylene Chloride	ND	1.0	EPA 8260	5-3-12	5-3-12	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chloroform	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Carbon Tetrachloride	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Trichloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromomethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromodichloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	5-3-12	5-3-12	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	5-3-12	5-3-12	

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

HALOGENATED VOLATILES by EPA 8260B
 METHOD BLANK QUALITY CONTROL
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<hr/>						
Laboratory ID:	MB0503W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Tetrachloroethene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Dibromochloromethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromoethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Chlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
Bromoform	ND	1.0	EPA 8260	5-3-12	5-3-12	
Bromobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	5-3-12	5-3-12	
2-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
4-Chlorotoluene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	5-3-12	5-3-12	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
Hexachlorobutadiene	ND	0.20	EPA 8260	5-3-12	5-3-12	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	5-3-12	5-3-12	
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Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	94	68-120				
Toluene-d8	87	73-120				
4-Bromofluorobenzene	84	65-120				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

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

Matrix: Water

Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0503W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.9	10.4	10.0	10.0	109	104	70-130	5	11	
Benzene	10.3	10.2	10.0	10.0	103	102	75-123	1	8	
Trichloroethene	10.5	10.2	10.0	10.0	105	102	80-113	3	9	
Toluene	10.4	10.1	10.0	10.0	104	101	80-113	3	8	
Chlorobenzene	11.1	11.0	10.0	10.0	111	110	80-115	1	8	
Surrogate:										
Dibromofluoromethane					94	93	68-120			
Toluene-d8					91	85	73-120			
4-Bromofluorobenzene					91	89	65-120			

Date of Report: May 8, 2012
Samples Submitted: May 2, 2012
Laboratory Reference: 1205-014
Project: 143-005

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KP3-050112-4-5					
Laboratory ID:	05-014-06					
Diesel Range Organics	ND	31	NWTPH-Dx	5-7-12	5-7-12	
Lube Oil	580	62	NWTPH-Dx	5-7-12	5-7-12	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	93	50-150				

Date of Report: May 8, 2012
 Samples Submitted: May 2, 2012
 Laboratory Reference: 1205-014
 Project: 143-005

**NWTPH-Dx
 QUALITY CONTROL
 (with acid/silica gel clean-up)**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-7-12	5-7-12	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-7-12	5-7-12	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	121	50-150				

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-181-02							
	ORIG	DUP						
Diesel Range Organics	77.6	79.4				2	NA	
Lube Oil	440	343				25	NA	
Surrogate:								
<i>o</i> -Terphenyl			99	95	50-150			

Date of Report: May 8, 2012
Samples Submitted: May 2, 2012
Laboratory Reference: 1205-014
Project: 143-005

% MOISTURE

Date Analyzed: 5-2-12

Client ID	Lab ID	% Moisture
KP1-050112-8-10	05-014-01	13
KP2-050112-0.75-4	05-014-03	28
KP3-050112-8-4-5	05-014-06	19
KP4-050112-4.5-8	05-014-09	30



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Chain of Custody

Washington State Department of Ecology
1400 NE 6th Street • Redmond, WA 98072
Phone: (509) 881-8831 • www.ecy.wa.gov

Turnaround Request
(in working days)

Laboratory Number:

05-1014

Customer: City of Everett
Project Number: 112-001
Project Name: Everett
Project Manager: John
Sample by: April Williams

(Check One)
☐ Same Day
☐ 2 Days
☒ Standard (7 Days) (TTH analysis 5 Days)
(other)

(Check One)					
<input type="checkbox"/> Some Day	<input type="checkbox"/> 1 Day				
<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days				
<input checked="" type="checkbox"/> Standard 17 Days (TPH analysis 5 Days)					
		(other) _____			
Date Sampled	Time Sampled	Matrix	No. of Cont.	MM/PPH-HD	MM/PPH-GX/STX
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
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5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
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5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
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5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
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5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15	Soil	7	X	
5-1-10	10:15	Soil	5	X	
5-1-10	10:15				

Requested	Signature: <u>Chris</u>	Date: <u>5/2/12</u>	Time: <u>8:15</u>	Comments/Special Instructions: <u>Keep following up with NUTCH for/for</u>
Received	Signature: <u>Van</u>	Date: <u>5/2/12</u>	Time: <u>8:15</u>	<u>and NUTCH for/for</u>
Retained	Signature: <u>Van</u>	Date: <u>5/2/12</u>	Time: <u>11:35</u>	<u>(X) Added 5/14/12-203 (5m)</u>
Released	Signature: <u>Chris</u>	Date: <u>5/2/12</u>	Time: <u>11:35</u>	
Received	Signature: <u>Chris</u>	Date: <u>5/2/12</u>	Time: <u>11:35</u>	
Released	Signature: <u>Chris</u>	Date: <u>5/2/12</u>	Time: <u>11:35</u>	