WASTE MANAGEMENT

November 3, 2016

Gerrity Retail Fund 2, Inc.
303 91st Avenue NE
Lake Stevens, WA 98258

CERTIFICATE OF DISPOSAL

Waste Management, Inc. dba Greater Wenatchee Regional Landfill has received Contained In - PCE Contaminated Soils for ultimate disposal Greater Wenatchee Regional Landfill

Dates of Disposed:	**10/20/2016**
Profile #:	**111859WA**
Total Tons:	**2.67**
Waste Type:	**Contained In – PCE Contaminated Soils**

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

K. Castner

Kristin Castner
Waste Management
Waste Approvals Manager – PNW

PES Environmental, Inc.
Engineering & Environmental Services

September 16, 2016

1246.038.03

Mr. Byung Maeng
Washington Department of Ecology
3190 160th Avenue S.E.
Bellevue, Washington 98008-5452

REQUEST FOR CONTAINED-IN POLICY DETERMINATION
LAKE STEVENS CLEANERS
LAKE STEVENS MARKETPLACE SHOPPING CENTER
LAKE STEVENS, WASHINGTON
FACILITY SITE ID NO. 11757/CLEANUP SITE ID NO. 13076

Dear Mr. Maeng:

PES Environmental, Inc. (PES) has prepared this letter on behalf of Gerrity Retail Fund 2, Inc. (Gerrity), to request a contained-in policy determination[1] for nine drums (approximately 4.5 tons) of soil cuttings that were generated during environmental investigations at the Lake Stevens Marketplace Shopping Center located at 303 91st Avenue NE, in Lake Stevens, Washington (Property; Figure 1). A former dry cleaning operation (Lake Stevens Cleaners) was located in Suite C-302 and operated from approximately 1993 until 2015. PES was retained by Gerrity to provide environmental consulting services related to further investigating the residual contamination associated with the former dry cleaner and evaluate the potential for implementing further cleanup actions.

BACKGROUND AND RELEASE INFORMATION

Lake Stevens Dry Cleaners operated from 1993 to 2015 and used chlorinated-based dry cleaning solvent throughout their operations. On behalf of previous property owners, Galloway Environmental, Inc. (GEI) performed several environmental investigations, and conducted remedial actions at the Site from 2013 to 2015.

Based on available site history information, investigation of the dry cleaner tenant suite began in 2013. GEI collected shallow soil and soil-gas samples near former and existing dry cleaning units (DCU) and outside the eastern building wall (behind the suite). PCE was detected above the State of Washington Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup level (CUL) of 50 micrograms per kilogram (µg/kg) and the MTCA soil gas screening level of 4.2 micrograms per cubic meter ($\mu g/m^3$)[2].

In October 2014, GEI collected soil and groundwater samples from direct-push borings drilled around the dry cleaner and adjacent tenant suites. PCE was detected in groundwater north and

[1] State of Washington, Department of Ecology. 1993. Memorandum from Tom Eaton to all Hazardous Waste Staff, *Subject: Contained-In Policy.* February 19.
[2] *Preliminary Subsurface Investigation Report for Lake Stevens Cleaners.* Prepared by ADR Environmental Group, Inc. December 17, 2013.

east of the dry cleaner tenant suite at concentrations above the MTCA Method A CUL[3]. In January 2015, GEI installed four groundwater monitoring wells (MW-1 through MW-4) around the dry cleaner and adjacent tenant suites and collected soil and groundwater samples. PCE was detected in groundwater north of the dry cleaner tenant suite in well MW-2 at a concentration above the MTCA Method A CUL[4].

In March 2015, GEI oversaw injection of microbial bioremediation products into the soil beneath the DCU. In April 2015, GEI oversaw excavation of approximately 63 tons of soil from beneath the former DCU and east of the dry cleaner suite[4]. Soil was excavated to 6 feet below ground surface (bgs) inside the former DCU and to 7 feet bgs east of the dry cleaner suite[4]. Soil samples were collected at the extent of the excavations and contained concentrations of PCE below the MTCA Method A CUL[5]. The excavated soil was managed as non-dangerous waste ("contained in") based on Ecology's Contained-in Determination Letter, dated March 17, 2015[6].

Groundwater monitoring has been performed quarterly since January 2015. Groundwater levels indicate a predominately northwest groundwater flow direction with occasional flow to the northeast. Groundwater samples collected from MW-2, north of the dry cleaner suite, have consistently contained concentrations of PCE above the MTCA Method A groundwater CUL[7].

A release was reported to Ecology in a letter from GEI, dated November 9, 2015[8] and Ecology sent an Early Notice Letter, dated July 20, 2016[9].

In order to further evaluate the conditions at the Property, PES conducted environmental investigations in March and July 2016, the results of which are described below.

INVESTIGATION SOIL SAMPLING PROCEDURES AND RESULTS

On behalf of Gerrity, PES conducted a limited site investigation prior to Gerrity's acquisition of the property. In March 2016, PES collected samples of indoor air and sub-slab soil gas from the former dry cleaner tenant suite, three interior soil samples, and collected two soil and two groundwater samples from exterior borings located northeast of the former dry cleaner suite (Figure 2). PCE was detected in sub-slab soil gas at concentrations above Ecology's Method B

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[3] *Focused Phase II Environmental Site Assessment at the Lake Stevens Cleaners.* Prepared by Galloway Environmental, Inc. November 11, 2014.
[4] *Remedial Investigation/Feasibility Study at the Lake Stevens Cleaners.* Prepared by Galloway Environmental, Inc. March 23, 2015.
[5] *Environmental Cleanup Report at the Lake Stevens Cleaners.* Prepared by Galloway Environmental, Inc. May 27, 2015.
[6] *Contained-in Determination for Contaminated Soils from Lake Stevens Cleaners Site in Lake Stevens, Washington.* Prepared by the Washington State Department of Ecology. March 17, 2015.
[7] *Groundwater Monitoring Report, Lake Stevens Marketplace Shopping Center, 303 91st Avenue NE, Suite C-302, Everett, Washington.* Prepared by Galloway Environmental, Inc. April 19, 2016.
[8] Letter from GEI to Ecology. *Re: Report of Release at the Lake Stevens Cleaners Facility, Marketplace Shopping Center, Lake Stevens, Washington.* November 9, 2015.
[9] Letter from Ecology to Mr. Keith Therrien, Esq., *Re: Early Notice Letter: Facility #11757, Lake Stevens Cleaners, 303 91st Ave NE Ste C302, Lake Stevens, WA 98258, Parcel #00804000000107, Cleanup Site # 13076.* July 20, 2016.

screening level in two locations[10]. No volatile organic compounds (VOCs) were detected at concentrations above the MTCA Method A CULs in indoor air[6]. The soil and groundwater samples collected northeast of the former dry cleaner suite did not contain concentrations of VOCs above the practical quantitation limit (PQL)[6]. Tetrachloroethene was the only VOC detected and was detected at concentrations up to 0.00573 milligrams per kilogram (mg/kg) in the three interior shallow soil samples (SV1-1.5, SV2-1, and SV3-1.5). These concentrations are significantly below Ecology's MTCA Method A CUL of 0.05 mg/kg.

On behalf of Gerrity, PES conducted additional environmental investigations in July 2016. As part of these investigations, PES evaluated vapor intrusion within the suite north of the former dry cleaner suite (currently occupied by BECU Credit Union) by collecting one indoor air sample and one ambient (background) air sample. PES evaluated the possibility of preferential migration pathways and the possibility of the sanitary sewer as a release mechanism by surveying the depth and orientation of utilities downgradient of the former dry cleaner suite using push-rod transmitters and video camera inspections. Additionally, PES advanced five soil borings and installed four temporary wells (TW-3 through TW-7), collected three groundwater samples, and collected five soil samples (one from each boring location). Following evaluation of the utility survey and temporary well data, PES installed three monitoring wells (MW-5, MW-6, and MW-7) and collected three soil samples (Figure 3). PES monitored the new wells concurrent with four existing wells, collected seven groundwater samples and measured water levels.

VOCs were only detected above the PQLs in two of the eight samples submitted for VOC analysis during the investigation. PCE was the only VOC detected and was detected at concentrations of 0.681 mg/kg in the sample collected at 7.5 feet bgs in MW-5 and 0.112 mg/kg in the sample collected at eight feet bgs in TW-7. These concentrations are above Ecology's MTCA Method A CUL for soil of 0.050 mg/kg. Given the sample from MW-5 was collected below the seasonal high water table and the groundwater PCE concentrations in the adjacent shallow well MW-2, it is likely that the detected concentration is due to the presence of contaminated groundwater. The sample from TW-7 was collected from beneath the area behind the former dry cleaner suite that underwent excavation and removal of soil containing concentrations of PCE above the MTCA Method A CUL. It is likely that the detected concentration in TW-7 is due to the same release that contaminated the nearby soil. Table 1 summarizes the soil analytical results.

CONTAINED-IN CRITERIA

PES understands that soils at the property containing PCE or related CVOCs must be managed as a dangerous/hazardous waste because the soil contains listed hazardous waste F002 (i.e., spent halogenated solvent) unless Ecology issues a "contained-in policy" determination, which indicates that contaminated soil can be managed as a solid waste because it no longer contains the hazardous waste. Ecology issues its determination based on the contaminant concentrations and how the contaminated soil will be disposed of once the determination has been provided.

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[10] *Summary of Limited Phase II Investigation Results, Lake Stevens Marketplace Shopping Center, Lake Stevens, Washington.* Prepared by PES Environmental, Inc. March 29, 2016.

Soil containing contaminant concentrations less than the MTCA Method B standard soil formula cleanup values for direct contact or the Toxicity Characteristic criteria, whichever is lower (more conservative), may be granted a "contained-in policy" determination, allowing the soil to be managed as a solid waste. The Toxicity Characteristic (TC) Criteria listed in WAC 173-303-090 are summarized in the regulation for evaluating dangerous waste concentrations using the Toxicity Characteristic Leaching Procedure (TCLP). The "rule of 20" was applied to these values to obtain the TC Criteria for contaminants concentrations based in milligrams per kilogram (mg/kg).

The following is a summary of the Contained-In criteria for CVOCs (lower of MTCA Method B or TC Criteria x 20) that have been detected on the Property:

PCE: 14 mg/kg (TC Criteria-based)

DANGEROUS WASTE EVALUATION

As shown in Table 1, the analytical results of the soil investigation samples indicate that PCE concentrations are below the Contained-In Criteria. Therefore, pursuant to WAC 173-303-090, the waste does not exhibit dangerous waste characteristics.

Pursuant to WAC 173-303-100, an evaluation of the waste as a toxic dangerous waste and/or persistent dangerous waste must be performed. The toxic dangerous waste evaluation can be conducted using the book designation procedure to calculate the Equivalent Concentration (EC) as follows:

$$\text{Equivalent Concentration (\%)} = \frac{\Sigma X\%}{1} + \frac{\Sigma A\%}{10} + \frac{\Sigma B\%}{100} + \frac{\Sigma C\%}{1{,}000} + \frac{\Sigma D\%}{10{,}000}$$

The EC was calculated using the maximum PCE concentration detected in the soil samples, as reported in Table 1. PCE is a "C" toxic category waste codes toxic category waste code.

$$\text{EC (\%)} = 0\% + 0\% + 0\% + \frac{0.0000681\%}{1{,}000} + 0\%$$

EC (%) = 0.0000000381%

Therefore, the remaining waste does not designate as a toxic dangerous waste as the EC is less than 0.001%.

Waste designates as a persistent dangerous waste if the total Halogenated Organic Compounds (HOC) concentration is greater than 0.01%. The maximum PCE concentration detected in the soil samples 1 is 0.681 mg/kg or 0.0000681% and indicates that the waste does not designate as a persistent dangerous waste.

The concentrations are also below the Universal Treatment Standards (UTS) obtained from 40 CFR 268.48 and multiplied by 10 per 40 CFR 268.49, as shown in Table 1.

PES requests that Ecology provide a "contained-in policy" determination that 9 drums of soil cuttings (approximately 4.5 tons) can be managed as "contained-out" and non-hazardous for disposal at a Waste Management solid waste landfill at either Columbia Ridge in Arlington,

Oregon or the Greater Wenatchee Regional Landfill, in Wenatchee, Washington (Subtitle D MSW permitted facilities). The soil managed as "contained-out" will be transported in a dedicated load directly from the Property to the selected landfill.

Contact Information:

Property Owner:	Gerrity Retail Fund 2, Inc. Attention: Mr. John Waters c/o Gerrity Group, LLC 973 Lomas Santa Fe Drive Solana Beach, California 92075 Phone: (858) 369-7004 Email: jwaters@gerritygroup.com
Waste Management:	Brian Russo Industrial Account Manager 3872 NW 9th Loop Camas, Washington 98607 Phone: (360) 399-8756 Email: brusso@wm.com

If you have any questions regarding this letter please do not hesitate to call me at (206) 529-3980. Thank you for assistance in this matter and I look forward to your response.

Sincerely,

PES ENVIRONMENTAL, INC.

Kelly L. Rankich
Project Engineer

Enclosures:

Table 1 – Soil Analytical Results
Figure 1 – Site Location Map
Figure 2 – Interior Sampling Locations
Figure 3 – Site Plan and Vicinity
Laboratory Analytical Reports

cc: Mr. John Waters, Gerrity Retail Fund 2, Inc.

Table 1

Soil Analytical Results
Lake Stevens Marketplace Shopping Center
Lake Stevens, Washington

Sample	Date Sampled	Sample Depth (feet bgs)	Tetra-chloroethene (mg/kg)	
TW-1-W/TW-1-8	3/17/16	8	0.00111	U
TW-2-W/TW-2-6	3/17/16	6	0.00115	U
SV1-1.5	3/18/16	1.5	**0.00167**	
SV2-1	3/18/16	1	**0.00573**	
SV3-1.5	3/18/16	1.5	**0.00442**	
TW-3a/SB-1a	7/7/16	8	0.0208	U
TW-4/SB-2	7/7/16	6	0.0210	U
TW-5/SB-3	7/7/16	7	0.0197	U
TW-6/SB-4	7/7/16	7	0.0224	U
TW-7/SB-5	7/7/16	8	**0.112**	
MW-5	7/20/16	8	**0.681**	
MW-6	7/21/16	5	0.0235	U
MW-7	7/21/16	5	0.0268	U
		Method A Unrestricted CUL	0.05	
		Universal Treatment Standards[(1)]	60	
		Contained In Criteria	14	

NOTES:

a. bgs = below ground surface.
b. mg/kg = milligram per kilogram (part per million).
c. U = result is less than the laboratory practical quantitation limit (PQL).
d. -- = not analyzed or available.
e. MTCA Method A soil cleanup levels (CULs for unrestricted land use, shown for screening purposes) are from the Ecology CLARC searchable database (researched October 2013).
f. Bold indicates that the compound was detected above the laboratory PQL and shading indicates the concentration exceeds the MTCA Method A CUL.
g. Volatile Organic Compounds (VOCs) analyzed by USEPA Method 8260. Only detected VOCs are summarized, see the laboratory analytical reports for the complete analyte lists.

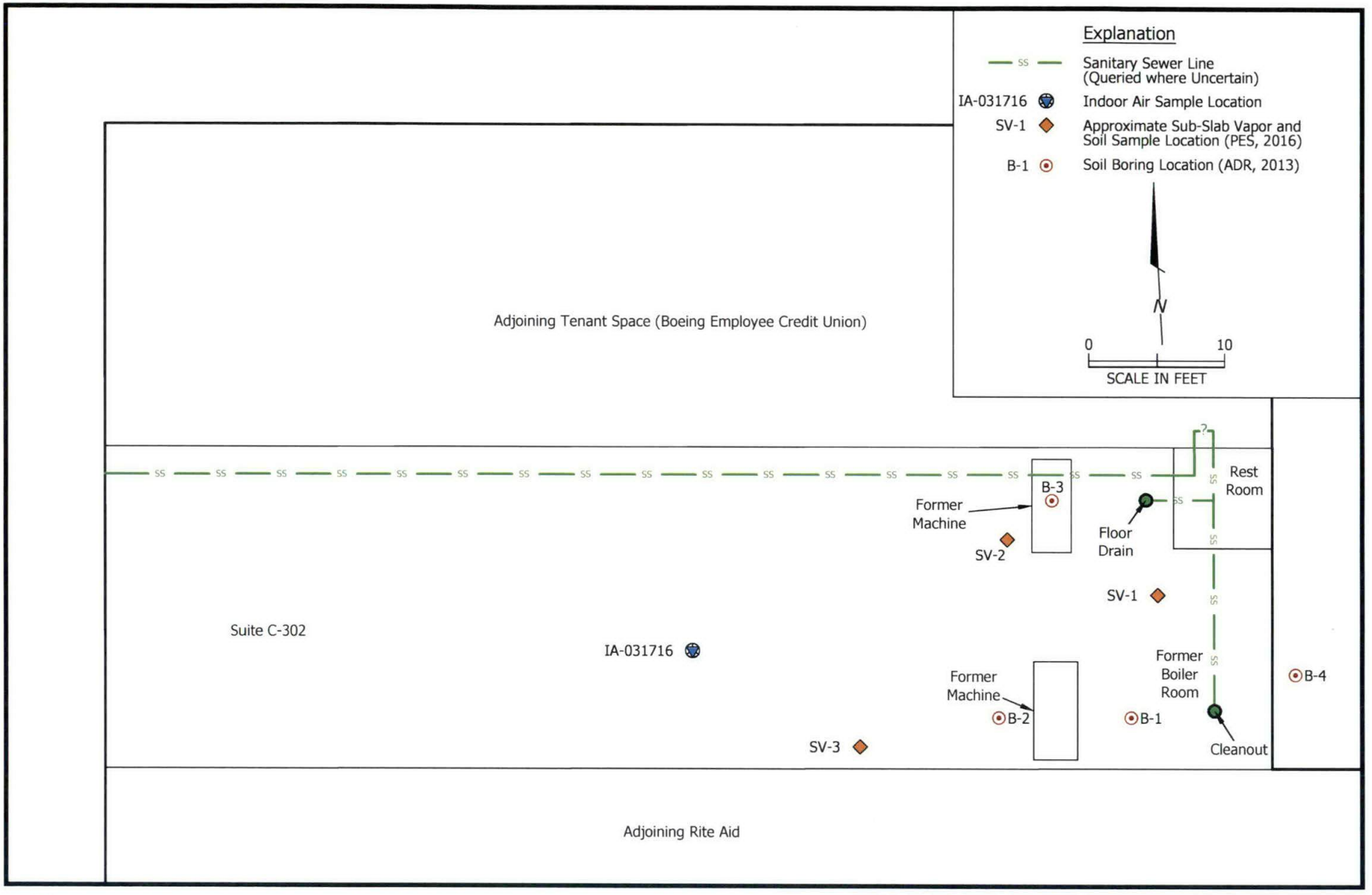
(1) = Universal Treatment Standards (UTS) obtained from 40 CFR 268.48 and multiplied by 10 per 40 CFR 268.49

PES Environmental, Inc.
Engineering & Environmental Services

Site Location
Lake Stevens Marketplace Shopping Center
Lake Stevens, Washington

PLATE
1

1246.038.03.001	124603803001_SURV_1-2	*KLR*	9/16
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

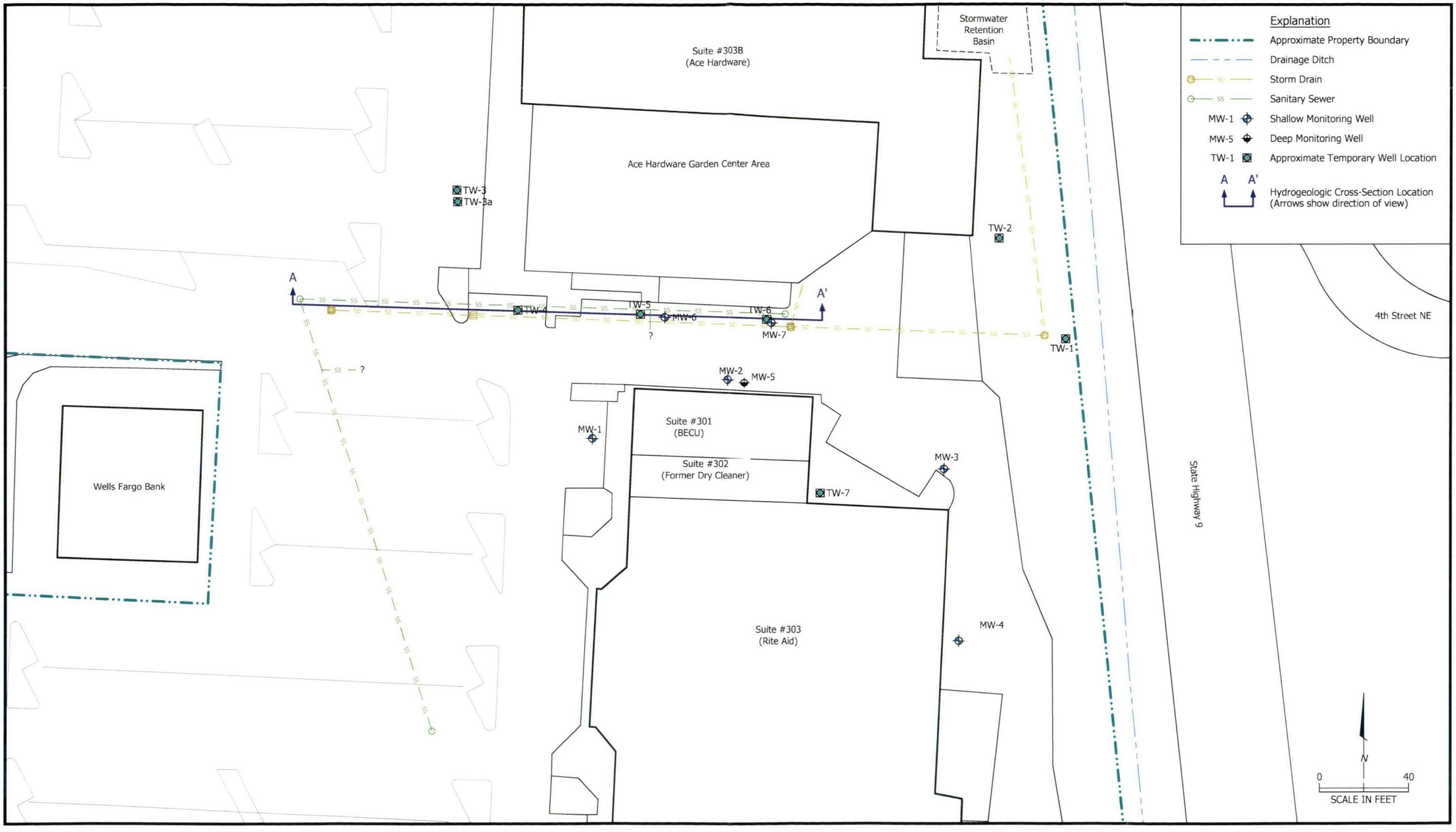


PES Environmental, Inc.
Engineering & Environmental Services

Interior Sampling Locations
Former Dry Cleaners - Suite C-302
Lake Stevens Marketplace Shopping Center
Lake Stevens, Washington

PLATE
2

1246.038.03.001	124603803001_SURV_1-2	KLR	9/16
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Site Plan and Vicinity
Phase II Environmental Site Assessment
Lake Stevens Marketplace Shopping Center
Lake Stevens, Washington

PLATE 3

1246.038.03.001	124603803001_SURV_3	KLR	9/16
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

ESC LAB SCIENCES
YOUR LAB OF CHOICE

ANALYTICAL REPORT

March 22, 2016

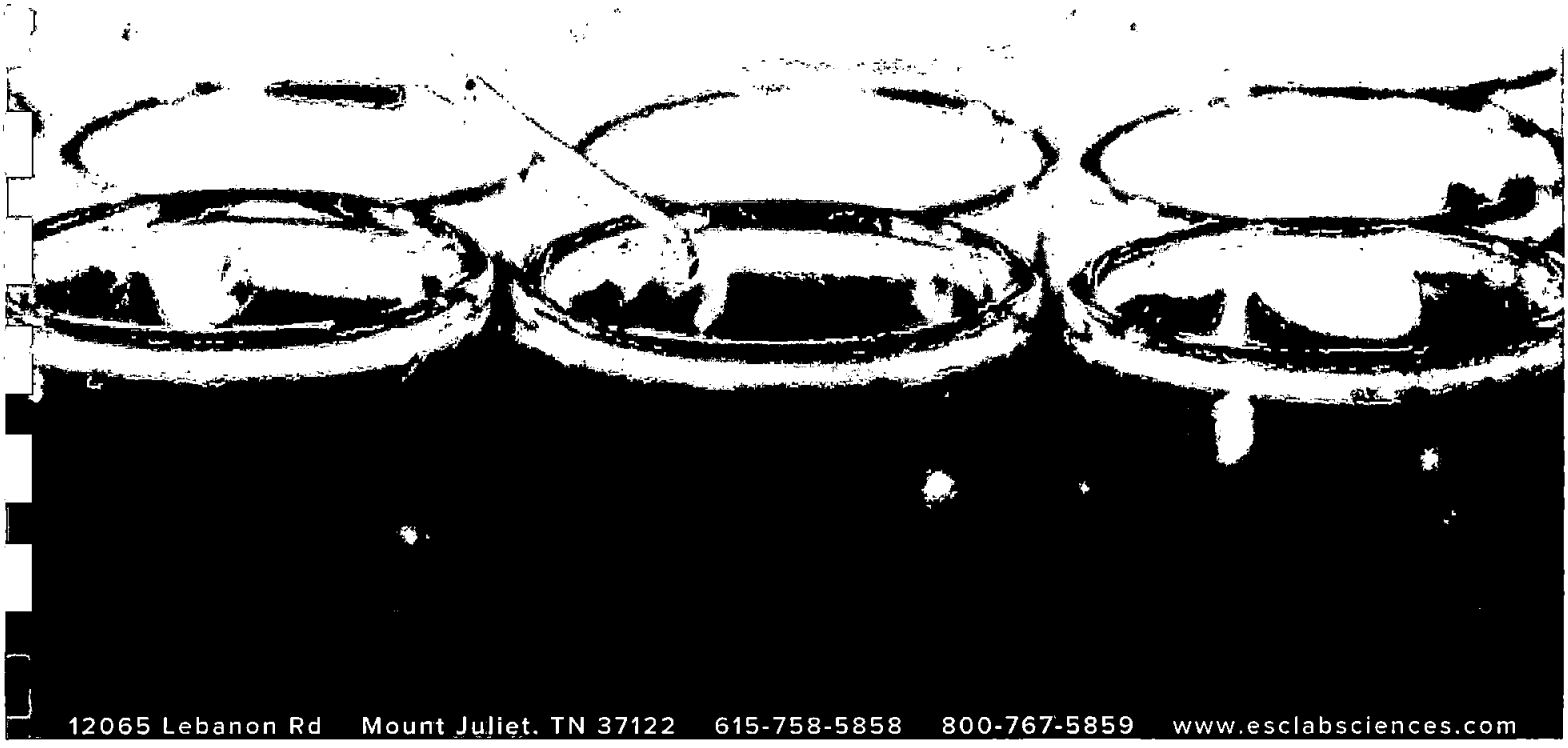
myESC
REAL TIME DATA ACCESS

PES Environmental, Inc.- WA

Sample Delivery Group:	L824454
Samples Received:	03/19/2016
Project Number:	
Description:	
Site:	LAKE STEVENS
Report To:	Chris DeBoer 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By: Jarred Willis

Jarred Willis
Technical Service Representative



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ONE LAB. NATIONWIDE.

SV1-031816 L824454-01 Air

Collected by: CJD | Collected date/time: 03/18/16 09:37 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG857955	1	03/21/16 12:18	03/21/16 12:18	SNH
Volatile Organic Compounds (MS) by Method TO-15	WG857955	20	03/21/16 19:23	03/21/16 19:23	SNH

SV2-031816 L824454-02 Air

Collected by: CJD | Collected date/time: 03/18/16 09:50 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG857955	1	03/21/16 12:59	03/21/16 12:59	SNH
Volatile Organic Compounds (MS) by Method TO-15	WG857955	200	03/21/16 19:58	03/21/16 19:58	SNH

SV3-031816 L824454-03 Air

Collected by: CJD | Collected date/time: 03/18/16 10:10 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG857955	1	03/21/16 13:40	03/21/16 13:40	SNH
Volatile Organic Compounds (MS) by Method TO-15	WG857955	400	03/21/16 20:35	03/21/16 20:35	SNH

TW-1-8 L824454-04 Solid

Collected by: CJD | Collected date/time: 03/17/16 12:10 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG858087	1	03/21/16 15:27	03/21/16 15:36	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG858268	1	03/22/16 02:48	03/22/16 08:59	ACG

TW-2-6 L824454-05 Solid

Collected by: CJD | Collected date/time: 03/17/16 13:10 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG857989	1	03/21/16 11:42	03/21/16 11:50	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG857902	1	03/21/16 13:21	03/22/16 00:29	JAH

SV1-1.5 L824454-06 Solid

Collected by: CJD | Collected date/time: 03/18/16 12:05 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG857989	1	03/21/16 11:42	03/21/16 11:50	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG857902	1	03/21/16 13:21	03/22/16 01:53	JAH

SV2-1 L824454-07 Solid

Collected by: CJD | Collected date/time: 03/18/16 12:30 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG857989	1	03/21/16 11:42	03/21/16 11:50	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG857902	1	03/21/16 13:21	03/22/16 02:13	JAH

Cp 2 Tc 3 Ss 4 Cn 5 Sr 6 Qc 7 Gl 8 Al 9 Sc

SV3-1.5 L824454-08 Solid

Collected by: CJD | Collected date/time: 03/18/16 13:10 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG857989	1	03/21/16 11:42	03/21/16 11:50	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG857902	1	03/21/16 13:21	03/22/16 03:41	JAH

TW-1-W L824454-09 GW

Collected by: CJD | Collected date/time: 03/17/16 14:25 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG858242	1	03/22/16 07:10	03/22/16 07:10	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG858383	1	03/22/16 13:41	03/22/16 13:41	JHH

TW-2-W L824454-10 GW

Collected by: CJD | Collected date/time: 03/17/16 15:15 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG858242	1	03/22/16 07:30	03/22/16 07:30	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG858383	1	03/22/16 14:02	03/22/16 14:02	JHH

TRIP BLANK L824454-11 GW

Collected by: CJD | Collected date/time: 03/17/16 00:00 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG858242	1	03/22/16 06:51	03/22/16 06:51	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG858383	1	03/22/16 12:59	03/22/16 12:59	JHH

IA-031716 L824454-12 Air

Collected by: CJD | Collected date/time: 03/17/16 17:30 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG857955	1	03/21/16 18:46	03/21/16 18:46	SNH

OA-031716 L824454-13 Air

Collected by: CJD | Collected date/time: 03/17/16 17:37 | Received date/time: 03/19/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG857955	1	03/21/16 15:04	03/21/16 15:04	SNH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jarred Willis
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.0200	0.0639	0.0755	0.241	B	1	WG857955
Carbon tetrachloride	56-23-5	154	0.0200	0.126	0.0681	0.429		1	WG857955
Chloroethane	75-00-3	64.50	0.0400	0.106	ND	ND		1	WG857955
Chloroform	67-66-3	119	0.0200	0.0973	0.0645	0.314		1	WG857955
Chloromethane	74-87-3	50.50	0.0300	0.0620	ND	ND		1	WG857955
1,2-Dibromoethane	106-93-4	188	0.0200	0.154	ND	ND		1	WG857955
1,4-Dichlorobenzene	106-46-7	147	0.0200	0.120	0.0630	0.379		1	WG857955
1,1-Dichloroethane	75-34-3	98	0.0200	0.0802	ND	ND		1	WG857955
1,1-Dichloroethene	75-35-4	96.90	0.0200	0.0793	ND	ND		1	WG857955
cis-1,2-Dichloroethene	156-59-2	96.90	0.0200	0.0793	ND	ND		1	WG857955
trans-1,2-Dichloroethene	156-60-5	96.90	0.0200	0.0793	ND	ND		1	WG857955
1,2-Dichloropropane	78-87-5	113	0.0300	0.139	ND	ND		1	WG857955
cis-1,3-Dichloropropene	10061-01-5	111	0.0200	0.0908	ND	ND		1	WG857955
trans-1,3-Dichloropropene	10061-02-6	111	0.0300	0.136	ND	ND		1	WG857955
Ethylbenzene	100-41-4	106	0.0300	0.130	0.189	0.819		1	WG857955
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0200	0.137	ND	ND		1	WG857955
Tetrachloroethylene	127-18-4	166	0.400	2.72	11.0	75.0		20	WG857955
1,1,1-Trichloroethane	71-55-6	133	0.0200	0.109	ND	ND		1	WG857955
1,1,2-Trichloroethane	79-00-5	133	0.0300	0.163	ND	ND		1	WG857955
Trichloroethylene	79-01-6	131	0.0200	0.107	0.254	1.36		1	WG857955
Vinyl chloride	75-01-4	62.50	0.0200	0.0511	ND	ND		1	WG857955
Vinyl acetate	108-05-4	86.10	0.0200	0.0704	ND	ND		1	WG857955
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*107*				WG857955

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.0200	0.0639	0.0920	0.294	B	1	WG857955
Carbon tetrachloride	56-23-5	154	0.0200	0.126	0.0682	0.429		1	WG857955
Chloroethane	75-00-3	64.50	0.0400	0.106	ND	ND		1	WG857955
Chloroform	67-66-3	119	0.0200	0.0973	0.250	1.22		1	WG857955
Chloromethane	74-87-3	50.50	0.0300	0.0620	ND	ND		1	WG857955
1,2-Dibromoethane	106-93-4	188	0.0200	0.154	ND	ND		1	WG857955
1,4-Dichlorobenzene	106-46-7	147	0.0200	0.120	0.0688	0.413		1	WG857955
1,1-Dichloroethane	75-34-3	98	0.0200	0.0802	ND	ND		1	WG857955
1,1-Dichloroethene	75-35-4	96.90	0.0200	0.0793	ND	ND		1	WG857955
cis-1,2-Dichloroethene	156-59-2	96.90	0.0200	0.0793	0.0847	0.336		1	WG857955
trans-1,2-Dichloroethene	156-60-5	96.90	0.0200	0.0793	ND	ND		1	WG857955
1,2-Dichloropropane	78-87-5	113	0.0300	0.139	ND	ND		1	WG857955
cis-1,3-Dichloropropene	10061-01-5	111	0.0200	0.0908	ND	ND		1	WG857955
trans-1,3-Dichloropropene	10061-02-6	111	0.0300	0.136	ND	ND		1	WG857955
Ethylbenzene	100-41-4	106	0.0300	0.130	0.356	1.54		1	WG857955
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0200	0.137	ND	ND		1	WG857955
Tetrachloroethylene	127-18-4	166	4.00	27.2	75.8	515		200	WG857955
1,1,1-Trichloroethane	71-55-6	133	0.0200	0.109	ND	ND		1	WG857955
1,1,2-Trichloroethane	79-00-5	133	0.0300	0.163	ND	ND		1	WG857955
Trichloroethylene	79-01-6	131	0.0200	0.107	0.827	4.43		1	WG857955
Vinyl chloride	75-01-4	62.50	0.0200	0.0511	ND	ND		1	WG857955
Vinyl acetate	108-05-4	86.10	0.0200	0.0704	ND	ND		1	WG857955
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*109*				WG857955

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.0200	0.0639	0.634	2.02		1	WG857955
Carbon tetrachloride	56-23-5	154	0.0200	0.126	0.0621	0.391		1	WG857955
Chloroethane	75-00-3	64.50	0.0400	0.106	ND	ND		1	WG857955
Chloroform	67-66-3	119	0.0200	0.0973	0.647	3.15		1	WG857955
Chloromethane	74-87-3	50.50	0.0300	0.0620	ND	ND		1	WG857955
1,2-Dibromoethane	106-93-4	188	0.0200	0.154	ND	ND		1	WG857955
1,4-Dichlorobenzene	106-46-7	147	0.0200	0.120	0.126	0.756		1	WG857955
1,1-Dichloroethane	75-34-3	98	0.0200	0.0802	ND	ND		1	WG857955
1,1-Dichloroethene	75-35-4	96.90	0.0200	0.0793	ND	ND		1	WG857955
cis-1,2-Dichloroethene	156-59-2	96.90	0.0200	0.0793	0.207	0.821		1	WG857955
trans-1,2-Dichloroethene	156-60-5	96.90	0.0200	0.0793	ND	ND		1	WG857955
1,2-Dichloropropane	78-87-5	113	0.0300	0.139	ND	ND		1	WG857955
cis-1,3-Dichloropropene	10061-01-5	111	0.0200	0.0908	ND	ND		1	WG857955
trans-1,3-Dichloropropene	10061-02-6	111	0.0300	0.136	ND	ND		1	WG857955
Ethylbenzene	100-41-4	106	12.0	52.0	ND	ND		400	WG857955
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0200	0.137	ND	ND		1	WG857955
Tetrachloroethylene	127-18-4	166	8.00	54.3	173	1170		400	WG857955
1,1,1-Trichloroethane	71-55-6	133	0.0200	0.109	ND	ND		1	WG857955
1,1,2-Trichloroethane	79-00-5	133	0.0300	0.163	ND	ND		1	WG857955
Trichloroethylene	79-01-6	131	8.00	42.9	ND	ND		400	WG857955
Vinyl chloride	75-01-4	62.50	0.0200	0.0511	ND	ND		1	WG857955
Vinyl acetate	108-05-4	86.10	0.0200	0.0704	ND	ND		1	WG857955
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*110*				WG857955

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	03/21/2016 15:36	WG858087

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0553	1	03/22/2016 08:59	WG858268
Acrylonitrile	ND		0.0111	1	03/22/2016 08:59	WG858268
Benzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Bromobenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Bromodichloromethane	ND		0.00111	1	03/22/2016 08:59	WG858268
Bromoform	ND		0.00111	1	03/22/2016 08:59	WG858268
Bromomethane	ND		0.00553	1	03/22/2016 08:59	WG858268
n-Butylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
sec-Butylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
tert-Butylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Carbon tetrachloride	ND		0.00111	1	03/22/2016 08:59	WG858268
Chlorobenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Chlorodibromomethane	ND		0.00111	1	03/22/2016 08:59	WG858268
Chloroethane	ND		0.00553	1	03/22/2016 08:59	WG858268
2-Chloroethyl vinyl ether	ND		0.0553	1	03/22/2016 08:59	WG858268
Chloroform	ND		0.00553	1	03/22/2016 08:59	WG858268
Chloromethane	ND		0.00277	1	03/22/2016 08:59	WG858268
2-Chlorotoluene	ND		0.00111	1	03/22/2016 08:59	WG858268
4-Chlorotoluene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,2-Dibromo-3-Chloropropane	ND		0.00553	1	03/22/2016 08:59	WG858268
1,2-Dibromoethane	ND		0.00111	1	03/22/2016 08:59	WG858268
Dibromomethane	ND		0.00111	1	03/22/2016 08:59	WG858268
1,2-Dichlorobenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,3-Dichlorobenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,4-Dichlorobenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Dichlorodifluoromethane	ND		0.00553	1	03/22/2016 08:59	WG858268
1,1-Dichloroethane	ND		0.00111	1	03/22/2016 08:59	WG858268
1,2-Dichloroethane	ND		0.00111	1	03/22/2016 08:59	WG858268
1,1-Dichloroethene	ND		0.00111	1	03/22/2016 08:59	WG858268
cis-1,2-Dichloroethene	ND		0.00111	1	03/22/2016 08:59	WG858268
trans-1,2-Dichloroethene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,2-Dichloropropane	ND		0.00111	1	03/22/2016 08:59	WG858268
1,1-Dichloropropene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,3-Dichloropropane	ND		0.00111	1	03/22/2016 08:59	WG858268
cis-1,3-Dichloropropene	ND		0.00111	1	03/22/2016 08:59	WG858268
trans-1,3-Dichloropropene	ND		0.00111	1	03/22/2016 08:59	WG858268
2,2-Dichloropropane	ND		0.00111	1	03/22/2016 08:59	WG858268
Di-isopropyl ether	ND		0.00111	1	03/22/2016 08:59	WG858268
Ethylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Hexachloro-1,3-butadiene	ND		0.00111	1	03/22/2016 08:59	WG858268
Isopropylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
p-Isopropyltoluene	ND		0.00111	1	03/22/2016 08:59	WG858268
2-Butanone (MEK)	ND		0.0111	1	03/22/2016 08:59	WG858268
Methylene Chloride	ND		0.00553	1	03/22/2016 08:59	WG858268
4-Methyl-2-pentanone (MIBK)	ND		0.0111	1	03/22/2016 08:59	WG858268
Methyl tert-butyl ether	ND		0.00111	1	03/22/2016 08:59	WG858268
Naphthalene	ND		0.00553	1	03/22/2016 08:59	WG858268
n-Propylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Styrene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,1,1,2-Tetrachloroethane	ND		0.00111	1	03/22/2016 08:59	WG858268

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.00111	1	03/22/2016 08:59	WG858268
1,1,2-Trichlorotrifluoroethane	ND		0.00111	1	03/22/2016 08:59	WG858268
Tetrachloroethene	ND		0.00111	1	03/22/2016 08:59	WG858268
Toluene	ND		0.00553	1	03/22/2016 08:59	WG858268
1,2,3-Trichlorobenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,2,4-Trichlorobenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,1,1-Trichloroethane	ND		0.00111	1	03/22/2016 08:59	WG858268
1,1,2-Trichloroethane	ND		0.00111	1	03/22/2016 08:59	WG858268
Trichloroethene	ND		0.00111	1	03/22/2016 08:59	WG858268
Trichlorofluoromethane	ND		0.00553	1	03/22/2016 08:59	WG858268
1,2,3-Trichloropropane	ND		0.00277	1	03/22/2016 08:59	WG858268
1,2,4-Trimethylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
1,2,3-Trimethylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Vinyl chloride	ND		0.00111	1	03/22/2016 08:59	WG858268
1,3,5-Trimethylbenzene	ND		0.00111	1	03/22/2016 08:59	WG858268
Xylenes, Total	ND		0.00332	1	03/22/2016 08:59	WG858268
(S) Toluene-d8	*102*		*88.7-115*		*03/22/2016 08:59*	WG858268
(S) Dibromofluoromethane	*112*		*76.3-123*		*03/22/2016 08:59*	WG858268
(S) 4-Bromofluorobenzene	*97.8*		*69.7-129*		*03/22/2016 08:59*	WG858268

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	03/21/2016 11:50	WG857989

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0573	1	03/22/2016 00:29	WG857902
Acrylonitrile	ND		0.0115	1	03/22/2016 00:29	WG857902
Benzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Bromobenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Bromodichloromethane	ND		0.00115	1	03/22/2016 00:29	WG857902
Bromoform	ND		0.00115	1	03/22/2016 00:29	WG857902
Bromomethane	ND		0.00573	1	03/22/2016 00:29	WG857902
n-Butylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
sec-Butylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
tert-Butylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Carbon tetrachloride	ND		0.00115	1	03/22/2016 00:29	WG857902
Chlorobenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Chlorodibromomethane	ND		0.00115	1	03/22/2016 00:29	WG857902
Chloroethane	ND		0.00573	1	03/22/2016 00:29	WG857902
2-Chloroethyl vinyl ether	ND		0.0573	1	03/22/2016 00:29	WG857902
Chloroform	ND		0.00573	1	03/22/2016 00:29	WG857902
Chloromethane	ND		0.00287	1	03/22/2016 00:29	WG857902
2-Chlorotoluene	ND		0.00115	1	03/22/2016 00:29	WG857902
4-Chlorotoluene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,2-Dibromo-3-Chloropropane	ND		0.00573	1	03/22/2016 00:29	WG857902
1,2-Dibromoethane	ND		0.00115	1	03/22/2016 00:29	WG857902
Dibromomethane	ND		0.00115	1	03/22/2016 00:29	WG857902
1,2-Dichlorobenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,3-Dichlorobenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,4-Dichlorobenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Dichlorodifluoromethane	ND		0.00573	1	03/22/2016 00:29	WG857902
1,1-Dichloroethane	ND		0.00115	1	03/22/2016 00:29	WG857902
1,2-Dichloroethane	ND		0.00115	1	03/22/2016 00:29	WG857902
1,1-Dichloroethene	ND		0.00115	1	03/22/2016 00:29	WG857902
cis-1,2-Dichloroethene	ND		0.00115	1	03/22/2016 00:29	WG857902
trans-1,2-Dichloroethene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,2-Dichloropropane	ND		0.00115	1	03/22/2016 00:29	WG857902
1,1-Dichloropropene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,3-Dichloropropane	ND		0.00115	1	03/22/2016 00:29	WG857902
cis-1,3-Dichloropropene	ND		0.00115	1	03/22/2016 00:29	WG857902
trans-1,3-Dichloropropene	ND		0.00115	1	03/22/2016 00:29	WG857902
2,2-Dichloropropane	ND		0.00115	1	03/22/2016 00:29	WG857902
Di-isopropyl ether	ND		0.00115	1	03/22/2016 00:29	WG857902
Ethylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Hexachloro-1,3-butadiene	ND		0.00115	1	03/22/2016 00:29	WG857902
Isopropylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
p-Isopropyltoluene	ND		0.00115	1	03/22/2016 00:29	WG857902
2-Butanone (MEK)	ND		0.0115	1	03/22/2016 00:29	WG857902
Methylene Chloride	ND		0.00573	1	03/22/2016 00:29	WG857902
4-Methyl-2-pentanone (MIBK)	ND		0.0115	1	03/22/2016 00:29	WG857902
Methyl tert-butyl ether	ND		0.00115	1	03/22/2016 00:29	WG857902
Naphthalene	ND		0.00573	1	03/22/2016 00:29	WG857902
n-Propylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Styrene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,1,1,2-Tetrachloroethane	ND		0.00115	1	03/22/2016 00:29	WG857902

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND	J4	0.00115	1	03/22/2016 00:29	WG857902
1,1,2-Trichlorotrifluoroethane	ND	J3	0.00115	1	03/22/2016 00:29	WG857902
Tetrachloroethene	ND		0.00115	1	03/22/2016 00:29	WG857902
Toluene	ND		0.00573	1	03/22/2016 00:29	WG857902
1,2,3-Trichlorobenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,2,4-Trichlorobenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,1,1-Trichloroethane	ND		0.00115	1	03/22/2016 00:29	WG857902
1,1,2-Trichloroethane	ND	J4	0.00115	1	03/22/2016 00:29	WG857902
Trichloroethene	ND		0.00115	1	03/22/2016 00:29	WG857902
Trichlorofluoromethane	ND		0.00573	1	03/22/2016 00:29	WG857902
1,2,3-Trichloropropane	ND		0.00287	1	03/22/2016 00:29	WG857902
1,2,4-Trimethylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
1,2,3-Trimethylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Vinyl chloride	ND		0.00115	1	03/22/2016 00:29	WG857902
1,3,5-Trimethylbenzene	ND		0.00115	1	03/22/2016 00:29	WG857902
Xylenes, Total	ND		0.00344	1	03/22/2016 00:29	WG857902
(S) Toluene-d8	*102*		*88.7-115*		*03/22/2016 00:29*	WG857902
(S) Dibromofluoromethane	*104*		*76.3-123*		*03/22/2016 00:29*	WG857902
(S) 4-Bromofluorobenzene	*91.4*		*69.7-129*		*03/22/2016 00:29*	WG857902

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.6		1	03/21/2016 11:50	WG857989

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0534	1	03/22/2016 01:53	WG857902
Acrylonitrile	ND		0.0107	1	03/22/2016 01:53	WG857902
Benzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Bromobenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Bromodichloromethane	ND		0.00107	1	03/22/2016 01:53	WG857902
Bromoform	ND		0.00107	1	03/22/2016 01:53	WG857902
Bromomethane	ND		0.00534	1	03/22/2016 01:53	WG857902
n-Butylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
sec-Butylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
tert-Butylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Carbon tetrachloride	ND		0.00107	1	03/22/2016 01:53	WG857902
Chlorobenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Chlorodibromomethane	ND		0.00107	1	03/22/2016 01:53	WG857902
Chloroethane	ND		0.00534	1	03/22/2016 01:53	WG857902
2-Chloroethyl vinyl ether	ND		0.0534	1	03/22/2016 01:53	WG857902
Chloroform	ND		0.00534	1	03/22/2016 01:53	WG857902
Chloromethane	ND		0.00267	1	03/22/2016 01:53	WG857902
2-Chlorotoluene	ND		0.00107	1	03/22/2016 01:53	WG857902
4-Chlorotoluene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,2-Dibromo-3-Chloropropane	ND		0.00534	1	03/22/2016 01:53	WG857902
1,2-Dibromoethane	ND		0.00107	1	03/22/2016 01:53	WG857902
Dibromomethane	ND		0.00107	1	03/22/2016 01:53	WG857902
1,2-Dichlorobenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,3-Dichlorobenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,4-Dichlorobenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Dichlorodifluoromethane	ND		0.00534	1	03/22/2016 01:53	WG857902
1,1-Dichloroethane	ND		0.00107	1	03/22/2016 01:53	WG857902
1,2-Dichloroethane	ND		0.00107	1	03/22/2016 01:53	WG857902
1,1-Dichloroethene	ND		0.00107	1	03/22/2016 01:53	WG857902
cis-1,2-Dichloroethene	ND		0.00107	1	03/22/2016 01:53	WG857902
trans-1,2-Dichloroethene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,2-Dichloropropane	ND		0.00107	1	03/22/2016 01:53	WG857902
1,1-Dichloropropene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,3-Dichloropropane	ND		0.00107	1	03/22/2016 01:53	WG857902
cis-1,3-Dichloropropene	ND		0.00107	1	03/22/2016 01:53	WG857902
trans-1,3-Dichloropropene	ND		0.00107	1	03/22/2016 01:53	WG857902
2,2-Dichloropropane	ND		0.00107	1	03/22/2016 01:53	WG857902
Di-isopropyl ether	ND		0.00107	1	03/22/2016 01:53	WG857902
Ethylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Hexachloro-1,3-butadiene	ND		0.00107	1	03/22/2016 01:53	WG857902
Isopropylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
p-Isopropyltoluene	ND		0.00107	1	03/22/2016 01:53	WG857902
2-Butanone (MEK)	ND		0.0107	1	03/22/2016 01:53	WG857902
Methylene Chloride	ND		0.00534	1	03/22/2016 01:53	WG857902
4-Methyl-2-pentanone (MIBK)	ND		0.0107	1	03/22/2016 01:53	WG857902
Methyl tert-butyl ether	ND		0.00107	1	03/22/2016 01:53	WG857902
Naphthalene	ND		0.00534	1	03/22/2016 01:53	WG857902
n-Propylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Styrene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,1,1,2-Tetrachloroethane	ND		0.00107	1	03/22/2016 01:53	WG857902

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND	J4	0.00107	1	03/22/2016 01:53	WG857902
1,1,2-Trichlorotrifluoroethane	ND	J3	0.00107	1	03/22/2016 01:53	WG857902
Tetrachloroethene	0.00167		0.00107	1	03/22/2016 01:53	WG857902
Toluene	ND		0.00534	1	03/22/2016 01:53	WG857902
1,2,3-Trichlorobenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,2,4-Trichlorobenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,1,1-Trichloroethane	ND		0.00107	1	03/22/2016 01:53	WG857902
1,1,2-Trichloroethane	ND	J4	0.00107	1	03/22/2016 01:53	WG857902
Trichloroethene	ND		0.00107	1	03/22/2016 01:53	WG857902
Trichlorofluoromethane	ND		0.00534	1	03/22/2016 01:53	WG857902
1,2,3-Trichloropropane	ND		0.00267	1	03/22/2016 01:53	WG857902
1,2,4-Trimethylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
1,2,3-Trimethylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Vinyl chloride	ND		0.00107	1	03/22/2016 01:53	WG857902
1,3,5-Trimethylbenzene	ND		0.00107	1	03/22/2016 01:53	WG857902
Xylenes, Total	ND		0.00321	1	03/22/2016 01:53	WG857902
(S) Toluene-d8	*103*		*88.7-115*		*03/22/2016 01:53*	WG857902
(S) Dibromofluoromethane	*105*		*76.3-123*		*03/22/2016 01:53*	WG857902
(S) 4-Bromofluorobenzene	*89.9*		*69.7-129*		*03/22/2016 01:53*	WG857902

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	03/21/2016 11:50	WG857989

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0545	1	03/22/2016 02:13	WG857902
Acrylonitrile	ND		0.0109	1	03/22/2016 02:13	WG857902
Benzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Bromobenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Bromodichloromethane	ND		0.00109	1	03/22/2016 02:13	WG857902
Bromoform	ND		0.00109	1	03/22/2016 02:13	WG857902
Bromomethane	ND		0.00545	1	03/22/2016 02:13	WG857902
n-Butylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
sec-Butylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
tert-Butylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Carbon tetrachloride	ND		0.00109	1	03/22/2016 02:13	WG857902
Chlorobenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Chlorodibromomethane	ND		0.00109	1	03/22/2016 02:13	WG857902
Chloroethane	ND		0.00545	1	03/22/2016 02:13	WG857902
2-Chloroethyl vinyl ether	ND		0.0545	1	03/22/2016 02:13	WG857902
Chloroform	ND		0.00545	1	03/22/2016 02:13	WG857902
Chloromethane	ND		0.00272	1	03/22/2016 02:13	WG857902
2-Chlorotoluene	ND		0.00109	1	03/22/2016 02:13	WG857902
4-Chlorotoluene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,2-Dibromo-3-Chloropropane	ND		0.00545	1	03/22/2016 02:13	WG857902
1,2-Dibromoethane	ND		0.00109	1	03/22/2016 02:13	WG857902
Dibromomethane	ND		0.00109	1	03/22/2016 02:13	WG857902
1,2-Dichlorobenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,3-Dichlorobenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,4-Dichlorobenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Dichlorodifluoromethane	ND		0.00545	1	03/22/2016 02:13	WG857902
1,1-Dichloroethane	ND		0.00109	1	03/22/2016 02:13	WG857902
1,2-Dichloroethane	ND		0.00109	1	03/22/2016 02:13	WG857902
1,1-Dichloroethene	ND		0.00109	1	03/22/2016 02:13	WG857902
cis-1,2-Dichloroethene	ND		0.00109	1	03/22/2016 02:13	WG857902
trans-1,2-Dichloroethene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,2-Dichloropropane	ND		0.00109	1	03/22/2016 02:13	WG857902
1,1-Dichloropropene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,3-Dichloropropane	ND		0.00109	1	03/22/2016 02:13	WG857902
cis-1,3-Dichloropropene	ND		0.00109	1	03/22/2016 02:13	WG857902
trans-1,3-Dichloropropene	ND		0.00109	1	03/22/2016 02:13	WG857902
2,2-Dichloropropane	ND		0.00109	1	03/22/2016 02:13	WG857902
Di-isopropyl ether	ND		0.00109	1	03/22/2016 02:13	WG857902
Ethylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Hexachloro-1,3-butadiene	ND		0.00109	1	03/22/2016 02:13	WG857902
Isopropylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
p-Isopropyltoluene	ND		0.00109	1	03/22/2016 02:13	WG857902
2-Butanone (MEK)	ND		0.0109	1	03/22/2016 02:13	WG857902
Methylene Chloride	ND		0.00545	1	03/22/2016 02:13	WG857902
4-Methyl-2-pentanone (MIBK)	ND		0.0109	1	03/22/2016 02:13	WG857902
Methyl tert-butyl ether	ND		0.00109	1	03/22/2016 02:13	WG857902
Naphthalene	ND		0.00545	1	03/22/2016 02:13	WG857902
n-Propylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Styrene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,1,1,2-Tetrachloroethane	ND		0.00109	1	03/22/2016 02:13	WG857902

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND	J4	0.00109	1	03/22/2016 02:13	WG857902
1,1,2-Trichlorotrifluoroethane	ND	J3	0.00109	1	03/22/2016 02:13	WG857902
Tetrachloroethene	0.00573		0.00109	1	03/22/2016 02:13	WG857902
Toluene	ND		0.00545	1	03/22/2016 02:13	WG857902
1,2,3-Trichlorobenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,2,4-Trichlorobenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,1,1-Trichloroethane	ND		0.00109	1	03/22/2016 02:13	WG857902
1,1,2-Trichloroethane	ND	J4	0.00109	1	03/22/2016 02:13	WG857902
Trichloroethene	ND		0.00109	1	03/22/2016 02:13	WG857902
Trichlorofluoromethane	ND		0.00545	1	03/22/2016 02:13	WG857902
1,2,3-Trichloropropane	ND		0.00272	1	03/22/2016 02:13	WG857902
1,2,4-Trimethylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
1,2,3-Trimethylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Vinyl chloride	ND		0.00109	1	03/22/2016 02:13	WG857902
1,3,5-Trimethylbenzene	ND		0.00109	1	03/22/2016 02:13	WG857902
Xylenes, Total	ND		0.00327	1	03/22/2016 02:13	WG857902
(S) Toluene-d8	*103*		*88.7-115*		*03/22/2016 02:13*	WG857902
(S) Dibromofluoromethane	*104*		*76.3-123*		*03/22/2016 02:13*	WG857902
(S) 4-Bromofluorobenzene	*90.4*		*69.7-129*		*03/22/2016 02:13*	WG857902

Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	94.5		1	03/21/2016 11:50	WG857989

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Acetone	ND		0.0529	1	03/22/2016 03:41	WG857902
Acrylonitrile	ND		0.0106	1	03/22/2016 03:41	WG857902
Benzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Bromobenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Bromodichloromethane	ND		0.00106	1	03/22/2016 03:41	WG857902
Bromoform	ND		0.00106	1	03/22/2016 03:41	WG857902
Bromomethane	ND		0.00529	1	03/22/2016 03:41	WG857902
n-Butylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
sec-Butylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
tert-Butylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Carbon tetrachloride	ND		0.00106	1	03/22/2016 03:41	WG857902
Chlorobenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Chlorodibromomethane	ND		0.00106	1	03/22/2016 03:41	WG857902
Chloroethane	ND		0.00529	1	03/22/2016 03:41	WG857902
2-Chloroethyl vinyl ether	ND		0.0529	1	03/22/2016 03:41	WG857902
Chloroform	ND		0.00529	1	03/22/2016 03:41	WG857902
Chloromethane	ND		0.00264	1	03/22/2016 03:41	WG857902
2-Chlorotoluene	ND		0.00106	1	03/22/2016 03:41	WG857902
4-Chlorotoluene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,2-Dibromo-3-Chloropropane	ND		0.00529	1	03/22/2016 03:41	WG857902
1,2-Dibromoethane	ND		0.00106	1	03/22/2016 03:41	WG857902
Dibromomethane	ND		0.00106	1	03/22/2016 03:41	WG857902
1,2-Dichlorobenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,3-Dichlorobenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,4-Dichlorobenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Dichlorodifluoromethane	ND		0.00529	1	03/22/2016 03:41	WG857902
1,1-Dichloroethane	ND		0.00106	1	03/22/2016 03:41	WG857902
1,2-Dichloroethane	ND		0.00106	1	03/22/2016 03:41	WG857902
1,1-Dichloroethene	ND		0.00106	1	03/22/2016 03:41	WG857902
cis-1,2-Dichloroethene	ND		0.00106	1	03/22/2016 03:41	WG857902
trans-1,2-Dichloroethene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,2-Dichloropropane	ND		0.00106	1	03/22/2016 03:41	WG857902
1,1-Dichloropropene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,3-Dichloropropane	ND		0.00106	1	03/22/2016 03:41	WG857902
cis-1,3-Dichloropropene	ND		0.00106	1	03/22/2016 03:41	WG857902
trans-1,3-Dichloropropene	ND		0.00106	1	03/22/2016 03:41	WG857902
2,2-Dichloropropane	ND		0.00106	1	03/22/2016 03:41	WG857902
Di-isopropyl ether	ND		0.00106	1	03/22/2016 03:41	WG857902
Ethylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Hexachloro-1,3-butadiene	ND		0.00106	1	03/22/2016 03:41	WG857902
Isopropylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
p-Isopropyltoluene	ND		0.00106	1	03/22/2016 03:41	WG857902
2-Butanone (MEK)	ND		0.0106	1	03/22/2016 03:41	WG857902
Methylene Chloride	ND		0.00529	1	03/22/2016 03:41	WG857902
4-Methyl-2-pentanone (MIBK)	ND		0.0106	1	03/22/2016 03:41	WG857902
Methyl tert-butyl ether	ND		0.00106	1	03/22/2016 03:41	WG857902
Naphthalene	ND		0.00529	1	03/22/2016 03:41	WG857902
n-Propylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Styrene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,1,1,2-Tetrachloroethane	ND		0.00106	1	03/22/2016 03:41	WG857902

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND	J4	0.00106	1	03/22/2016 03:41	WG857902
1,1,2-Trichlorotrifluoroethane	ND	J3	0.00106	1	03/22/2016 03:41	WG857902
Tetrachloroethene	0.00442		0.00106	1	03/22/2016 03:41	WG857902
Toluene	ND		0.00529	1	03/22/2016 03:41	WG857902
1,2,3-Trichlorobenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,2,4-Trichlorobenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,1,1-Trichloroethane	ND		0.00106	1	03/22/2016 03:41	WG857902
1,1,2-Trichloroethane	ND	J4	0.00106	1	03/22/2016 03:41	WG857902
Trichloroethene	ND		0.00106	1	03/22/2016 03:41	WG857902
Trichlorofluoromethane	ND		0.00529	1	03/22/2016 03:41	WG857902
1,2,3-Trichloropropane	ND		0.00264	1	03/22/2016 03:41	WG857902
1,2,4-Trimethylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
1,2,3-Trimethylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Vinyl chloride	ND		0.00106	1	03/22/2016 03:41	WG857902
1,3,5-Trimethylbenzene	ND		0.00106	1	03/22/2016 03:41	WG857902
Xylenes, Total	ND		0.00317	1	03/22/2016 03:41	WG857902
(S) Toluene-d8	*103*		*88.7-115*		*03/22/2016 03:41*	WG857902
(S) Dibromofluoromethane	*106*		*76.3-123*		*03/22/2016 03:41*	WG857902
(S) 4-Bromofluorobenzene	*90.4*		*69.7-129*		*03/22/2016 03:41*	WG857902

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	03/22/2016 07:10	WG858242
Acrolein	ND		50.0	1	03/22/2016 07:10	WG858242
Acrylonitrile	ND		10.0	1	03/22/2016 07:10	WG858242
Benzene	ND		1.00	1	03/22/2016 07:10	WG858242
Bromobenzene	ND		1.00	1	03/22/2016 07:10	WG858242
Bromodichloromethane	ND		1.00	1	03/22/2016 07:10	WG858242
Bromoform	ND		1.00	1	03/22/2016 07:10	WG858242
Bromomethane	ND		5.00	1	03/22/2016 07:10	WG858242
n-Butylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
sec-Butylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
tert-Butylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
Carbon tetrachloride	ND		1.00	1	03/22/2016 07:10	WG858242
Chlorobenzene	ND		1.00	1	03/22/2016 07:10	WG858242
Chlorodibromomethane	ND		1.00	1	03/22/2016 07:10	WG858242
Chloroethane	ND		5.00	1	03/22/2016 07:10	WG858242
2-Chloroethyl vinyl ether	ND		50.0	1	03/22/2016 13:41	WG858383
Chloroform	ND		5.00	1	03/22/2016 07:10	WG858242
Chloromethane	ND		2.50	1	03/22/2016 07:10	WG858242
2-Chlorotoluene	ND		1.00	1	03/22/2016 07:10	WG858242
4-Chlorotoluene	ND		1.00	1	03/22/2016 07:10	WG858242
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/22/2016 07:10	WG858242
1,2-Dibromoethane	ND		1.00	1	03/22/2016 07:10	WG858242
Dibromomethane	ND		1.00	1	03/22/2016 07:10	WG858242
1,2-Dichlorobenzene	ND		1.00	1	03/22/2016 07:10	WG858242
1,3-Dichlorobenzene	ND		1.00	1	03/22/2016 07:10	WG858242
1,4-Dichlorobenzene	ND		1.00	1	03/22/2016 07:10	WG858242
Dichlorodifluoromethane	ND		5.00	1	03/22/2016 07:10	WG858242
1,1-Dichloroethane	ND		1.00	1	03/22/2016 07:10	WG858242
1,2-Dichloroethane	ND		1.00	1	03/22/2016 07:10	WG858242
1,1-Dichloroethene	ND		1.00	1	03/22/2016 07:10	WG858242
cis-1,2-Dichloroethene	ND		1.00	1	03/22/2016 07:10	WG858242
trans-1,2-Dichloroethene	ND		1.00	1	03/22/2016 07:10	WG858242
1,2-Dichloropropane	ND		1.00	1	03/22/2016 07:10	WG858242
1,1-Dichloropropene	ND		1.00	1	03/22/2016 07:10	WG858242
1,3-Dichloropropane	ND		1.00	1	03/22/2016 07:10	WG858242
cis-1,3-Dichloropropene	ND		1.00	1	03/22/2016 07:10	WG858242
trans-1,3-Dichloropropene	ND		1.00	1	03/22/2016 07:10	WG858242
2,2-Dichloropropane	ND		1.00	1	03/22/2016 07:10	WG858242
Di-isopropyl ether	ND		1.00	1	03/22/2016 07:10	WG858242
Ethylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
Hexachloro-1,3-butadiene	ND		1.00	1	03/22/2016 07:10	WG858242
Isopropylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
p-Isopropyltoluene	ND		1.00	1	03/22/2016 07:10	WG858242
2-Butanone (MEK)	ND		10.0	1	03/22/2016 07:10	WG858242
Methylene Chloride	ND		5.00	1	03/22/2016 07:10	WG858242
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	03/22/2016 07:10	WG858242
Methyl tert-butyl ether	ND		1.00	1	03/22/2016 07:10	WG858242
Naphthalene	ND		5.00	1	03/22/2016 07:10	WG858242
n-Propylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
Styrene	ND		1.00	1	03/22/2016 07:10	WG858242
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/22/2016 07:10	WG858242
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/22/2016 07:10	WG858242
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	03/22/2016 07:10	WG858242
Tetrachloroethene	ND		1.00	1	03/22/2016 07:10	WG858242
Toluene	ND		5.00	1	03/22/2016 07:10	WG858242
1,2,3-Trichlorobenzene	ND		1.00	1	03/22/2016 07:10	WG858242

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	03/22/2016 07:10	WG858242
1,1,1-Trichloroethane	ND		1.00	1	03/22/2016 07:10	WG858242
1,1,2-Trichloroethane	ND		1.00	1	03/22/2016 07:10	WG858242
Trichloroethene	ND		1.00	1	03/22/2016 07:10	WG858242
Trichlorofluoromethane	ND		5.00	1	03/22/2016 07:10	WG858242
1,2,3-Trichloropropane	ND		2.50	1	03/22/2016 07:10	WG858242
1,2,4-Trimethylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
1,2,3-Trimethylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
1,3,5-Trimethylbenzene	ND		1.00	1	03/22/2016 07:10	WG858242
Vinyl chloride	ND		1.00	1	03/22/2016 07:10	WG858242
Xylenes, Total	ND		3.00	1	03/22/2016 07:10	WG858242
(S) Toluene-d8	*105*		*90.0-115*		*03/22/2016 07:10*	WG858242
(S) Dibromofluoromethane	*114*		*79.0-121*		*03/22/2016 07:10*	WG858242
(S) 4-Bromofluorobenzene	*100*		*80.1-120*		*03/22/2016 07:10*	WG858242

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	03/22/2016 07:30	WG858242
Acrolein	ND		50.0	1	03/22/2016 07:30	WG858242
Acrylonitrile	ND		10.0	1	03/22/2016 07:30	WG858242
Benzene	ND		1.00	1	03/22/2016 07:30	WG858242
Bromobenzene	ND		1.00	1	03/22/2016 07:30	WG858242
Bromodichloromethane	ND		1.00	1	03/22/2016 07:30	WG858242
Bromoform	ND		1.00	1	03/22/2016 07:30	WG858242
Bromomethane	ND		5.00	1	03/22/2016 07:30	WG858242
n-Butylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
sec-Butylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
tert-Butylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
Carbon tetrachloride	ND		1.00	1	03/22/2016 07:30	WG858242
Chlorobenzene	ND		1.00	1	03/22/2016 07:30	WG858242
Chlorodibromomethane	ND		1.00	1	03/22/2016 07:30	WG858242
Chloroethane	ND		5.00	1	03/22/2016 07:30	WG858242
2-Chloroethyl vinyl ether	ND		50.0	1	03/22/2016 14:02	WG858383
Chloroform	ND		5.00	1	03/22/2016 07:30	WG858242
Chloromethane	ND		2.50	1	03/22/2016 07:30	WG858242
2-Chlorotoluene	ND		1.00	1	03/22/2016 07:30	WG858242
4-Chlorotoluene	ND		1.00	1	03/22/2016 07:30	WG858242
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/22/2016 07:30	WG858242
1,2-Dibromoethane	ND		1.00	1	03/22/2016 07:30	WG858242
Dibromomethane	ND		1.00	1	03/22/2016 07:30	WG858242
1,2-Dichlorobenzene	ND		1.00	1	03/22/2016 07:30	WG858242
1,3-Dichlorobenzene	ND		1.00	1	03/22/2016 07:30	WG858242
1,4-Dichlorobenzene	ND		1.00	1	03/22/2016 07:30	WG858242
Dichlorodifluoromethane	ND		5.00	1	03/22/2016 07:30	WG858242
1,1-Dichloroethane	ND		1.00	1	03/22/2016 07:30	WG858242
1,2-Dichloroethane	ND		1.00	1	03/22/2016 07:30	WG858242
1,1-Dichloroethene	ND		1.00	1	03/22/2016 07:30	WG858242
cis-1,2-Dichloroethene	ND		1.00	1	03/22/2016 07:30	WG858242
trans-1,2-Dichloroethene	ND		1.00	1	03/22/2016 07:30	WG858242
1,2-Dichloropropane	ND		1.00	1	03/22/2016 07:30	WG858242
1,1-Dichloropropene	ND		1.00	1	03/22/2016 07:30	WG858242
1,3-Dichloropropane	ND		1.00	1	03/22/2016 07:30	WG858242
cis-1,3-Dichloropropene	ND		1.00	1	03/22/2016 07:30	WG858242
trans-1,3-Dichloropropene	ND		1.00	1	03/22/2016 07:30	WG858242
2,2-Dichloropropane	ND		1.00	1	03/22/2016 07:30	WG858242
Di-isopropyl ether	ND		1.00	1	03/22/2016 07:30	WG858242
Ethylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
Hexachloro-1,3-butadiene	ND		1.00	1	03/22/2016 07:30	WG858242
Isopropylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
p-Isopropyltoluene	ND		1.00	1	03/22/2016 07:30	WG858242
2-Butanone (MEK)	ND		10.0	1	03/22/2016 07:30	WG858242
Methylene Chloride	ND		5.00	1	03/22/2016 07:30	WG858242
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	03/22/2016 07:30	WG858242
Methyl tert-butyl ether	ND		1.00	1	03/22/2016 07:30	WG858242
Naphthalene	ND		5.00	1	03/22/2016 07:30	WG858242
n-Propylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
Styrene	ND		1.00	1	03/22/2016 07:30	WG858242
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/22/2016 07:30	WG858242
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/22/2016 07:30	WG858242
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	03/22/2016 07:30	WG858242
Tetrachloroethene	ND		1.00	1	03/22/2016 07:30	WG858242
Toluene	ND		5.00	1	03/22/2016 07:30	WG858242
1,2,3-Trichlorobenzene	ND		1.00	1	03/22/2016 07:30	WG858242

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	03/22/2016 07:30	WG858242
1,1,1-Trichloroethane	ND		1.00	1	03/22/2016 07:30	WG858242
1,1,2-Trichloroethane	ND		1.00	1	03/22/2016 07:30	WG858242
Trichloroethene	ND		1.00	1	03/22/2016 07:30	WG858242
Trichlorofluoromethane	ND		5.00	1	03/22/2016 07:30	WG858242
1,2,3-Trichloropropane	ND		2.50	1	03/22/2016 07:30	WG858242
1,2,4-Trimethylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
1,2,3-Trimethylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
1,3,5-Trimethylbenzene	ND		1.00	1	03/22/2016 07:30	WG858242
Vinyl chloride	ND		1.00	1	03/22/2016 07:30	WG858242
Xylenes, Total	ND		3.00	1	03/22/2016 07:30	WG858242
(S) Toluene-d8	*106*		*90.0-115*		*03/22/2016 07:30*	WG858242
(S) Dibromofluoromethane	*113*		*79.0-121*		*03/22/2016 07:30*	WG858242
(S) 4-Bromofluorobenzene	*102*		*80.1-120*		*03/22/2016 07:30*	WG858242

Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	03/22/2016 06:51	WG858242
Acrolein	ND		50.0	1	03/22/2016 06:51	WG858242
Acrylonitrile	ND		10.0	1	03/22/2016 06:51	WG858242
Benzene	ND		1.00	1	03/22/2016 06:51	WG858242
Bromobenzene	ND		1.00	1	03/22/2016 06:51	WG858242
Bromodichloromethane	ND		1.00	1	03/22/2016 06:51	WG858242
Bromoform	ND		1.00	1	03/22/2016 06:51	WG858242
Bromomethane	ND		5.00	1	03/22/2016 06:51	WG858242
n-Butylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
sec-Butylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
tert-Butylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
Carbon tetrachloride	ND		1.00	1	03/22/2016 06:51	WG858242
Chlorobenzene	ND		1.00	1	03/22/2016 06:51	WG858242
Chlorodibromomethane	ND		1.00	1	03/22/2016 06:51	WG858242
Chloroethane	ND		5.00	1	03/22/2016 06:51	WG858242
2-Chloroethyl vinyl ether	ND		50.0	1	03/22/2016 12:59	WG858383
Chloroform	ND		5.00	1	03/22/2016 06:51	WG858242
Chloromethane	ND		2.50	1	03/22/2016 06:51	WG858242
2-Chlorotoluene	ND		1.00	1	03/22/2016 06:51	WG858242
4-Chlorotoluene	ND		1.00	1	03/22/2016 06:51	WG858242
1,2-Dibromo-3-Chloropropane	ND		5.00	1	03/22/2016 06:51	WG858242
1,2-Dibromoethane	ND		1.00	1	03/22/2016 06:51	WG858242
Dibromomethane	ND		1.00	1	03/22/2016 06:51	WG858242
1,2-Dichlorobenzene	ND		1.00	1	03/22/2016 06:51	WG858242
1,3-Dichlorobenzene	ND		1.00	1	03/22/2016 06:51	WG858242
1,4-Dichlorobenzene	ND		1.00	1	03/22/2016 06:51	WG858242
Dichlorodifluoromethane	ND		5.00	1	03/22/2016 06:51	WG858242
1,1-Dichloroethane	ND		1.00	1	03/22/2016 06:51	WG858242
1,2-Dichloroethane	ND		1.00	1	03/22/2016 06:51	WG858242
1,1-Dichloroethene	ND		1.00	1	03/22/2016 06:51	WG858242
cis-1,2-Dichloroethene	ND		1.00	1	03/22/2016 06:51	WG858242
trans-1,2-Dichloroethene	ND		1.00	1	03/22/2016 06:51	WG858242
1,2-Dichloropropane	ND		1.00	1	03/22/2016 06:51	WG858242
1,1-Dichloropropene	ND		1.00	1	03/22/2016 06:51	WG858242
1,3-Dichloropropane	ND		1.00	1	03/22/2016 06:51	WG858242
cis-1,3-Dichloropropene	ND		1.00	1	03/22/2016 06:51	WG858242
trans-1,3-Dichloropropene	ND		1.00	1	03/22/2016 06:51	WG858242
2,2-Dichloropropane	ND		1.00	1	03/22/2016 06:51	WG858242
Di-isopropyl ether	ND		1.00	1	03/22/2016 06:51	WG858242
Ethylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
Hexachloro-1,3-butadiene	ND		1.00	1	03/22/2016 06:51	WG858242
Isopropylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
p-Isopropyltoluene	ND		1.00	1	03/22/2016 06:51	WG858242
2-Butanone (MEK)	ND		10.0	1	03/22/2016 06:51	WG858242
Methylene Chloride	ND		5.00	1	03/22/2016 06:51	WG858242
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	03/22/2016 06:51	WG858242
Methyl tert-butyl ether	ND		1.00	1	03/22/2016 06:51	WG858242
Naphthalene	ND		5.00	1	03/22/2016 06:51	WG858242
n-Propylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
Styrene	ND		1.00	1	03/22/2016 06:51	WG858242
1,1,1,2-Tetrachloroethane	ND		1.00	1	03/22/2016 06:51	WG858242
1,1,2,2-Tetrachloroethane	ND		1.00	1	03/22/2016 06:51	WG858242
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	03/22/2016 06:51	WG858242
Tetrachloroethene	ND		1.00	1	03/22/2016 06:51	WG858242
Toluene	ND		5.00	1	03/22/2016 06:51	WG858242
1,2,3-Trichlorobenzene	ND		1.00	1	03/22/2016 06:51	WG858242

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	03/22/2016 06:51	WG858242
1,1,1-Trichloroethane	ND		1.00	1	03/22/2016 06:51	WG858242
1,1,2-Trichloroethane	ND		1.00	1	03/22/2016 06:51	WG858242
Trichloroethene	ND		1.00	1	03/22/2016 06:51	WG858242
Trichlorofluoromethane	ND		5.00	1	03/22/2016 06:51	WG858242
1,2,3-Trichloropropane	ND		2.50	1	03/22/2016 06:51	WG858242
1,2,4-Trimethylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
1,2,3-Trimethylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
1,3,5-Trimethylbenzene	ND		1.00	1	03/22/2016 06:51	WG858242
Vinyl chloride	ND		1.00	1	03/22/2016 06:51	WG858242
Xylenes, Total	ND		3.00	1	03/22/2016 06:51	WG858242
(S) Toluene-d8	*104*		*90.0-115*		*03/22/2016 06:51*	WG858242
(S) Dibromofluoromethane	*112*		*79.0-121*		*03/22/2016 06:51*	WG858242
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*03/22/2016 06:51*	WG858242

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.0200	0.0639	0.260	0.831		1	WG857955
Carbon tetrachloride	56-23-5	154	0.0200	0.126	0.0721	0.454		1	WG857955
Chloroethane	75-00-3	64.50	0.0400	0.106	ND	ND		1	WG857955
Chloroform	67-66-3	119	0.0200	0.0973	ND	ND		1	WG857955
Chloromethane	74-87-3	50.50	0.0300	0.0620	0.553	1.14		1	WG857955
1,2-Dibromoethane	106-93-4	188	0.0200	0.154	ND	ND		1	WG857955
1,4-Dichlorobenzene	106-46-7	147	0.0200	0.120	ND	ND		1	WG857955
1,1-Dichloroethane	75-34-3	98	0.0200	0.0802	ND	ND		1	WG857955
1,1-Dichloroethene	75-35-4	96.90	0.0200	0.0793	ND	ND		1	WG857955
cis-1,2-Dichloroethene	156-59-2	96.90	0.0200	0.0793	ND	ND		1	WG857955
trans-1,2-Dichloroethene	156-60-5	96.90	0.0200	0.0793	ND	ND		1	WG857955
1,2-Dichloropropane	78-87-5	113	0.0300	0.139	ND	ND		1	WG857955
cis-1,3-Dichloropropene	10061-01-5	111	0.0200	0.0908	ND	ND		1	WG857955
trans-1,3-Dichloropropene	10061-02-6	111	0.0300	0.136	ND	ND		1	WG857955
Ethylbenzene	100-41-4	106	0.0300	0.130	0.0876	0.380		1	WG857955
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0200	0.137	ND	ND		1	WG857955
Tetrachloroethylene	127-18-4	166	0.0200	0.136	0.153	1.04		1	WG857955
1,1,1-Trichloroethane	71-55-6	133	0.0200	0.109	ND	ND		1	WG857955
1,1,2-Trichloroethane	79-00-5	133	0.0300	0.163	ND	ND		1	WG857955
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG857955
Vinyl chloride	75-01-4	62.50	0.0200	0.0511	ND	ND		1	WG857955
Vinyl acetate	108-05-4	86.10	0.0200	0.0704	ND	ND		1	WG857955
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*104*				WG857955

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.0200	0.0639	0.269	0.859		1	WG857955
Carbon tetrachloride	56-23-5	154	0.0200	0.126	0.0698	0.440		1	WG857955
Chloroethane	75-00-3	64.50	0.0400	0.106	ND	ND		1	WG857955
Chloroform	67-66-3	119	0.0200	0.0973	ND	ND		1	WG857955
Chloromethane	74-87-3	50.50	0.0300	0.0620	0.617	1.27		1	WG857955
1,2-Dibromoethane	106-93-4	188	0.0200	0.154	ND	ND		1	WG857955
1,4-Dichlorobenzene	106-46-7	147	0.0200	0.120	ND	ND		1	WG857955
1,1-Dichloroethane	75-34-3	98	0.0200	0.0802	ND	ND		1	WG857955
1,1-Dichloroethene	75-35-4	96.90	0.0200	0.0793	ND	ND		1	WG857955
cis-1,2-Dichloroethene	156-59-2	96.90	0.0200	0.0793	ND	ND		1	WG857955
trans-1,2-Dichloroethene	156-60-5	96.90	0.0200	0.0793	ND	ND		1	WG857955
1,2-Dichloropropane	78-87-5	113	0.0300	0.139	ND	ND		1	WG857955
cis-1,3-Dichloropropene	10061-01-5	111	0.0200	0.0908	ND	ND		1	WG857955
trans-1,3-Dichloropropene	10061-02-6	111	0.0300	0.136	ND	ND		1	WG857955
Ethylbenzene	100-41-4	106	0.0300	0.130	0.0933	0.404		1	WG857955
1,1,2,2-Tetrachloroethane	79-34-5	168	0.0200	0.137	ND	ND		1	WG857955
Tetrachloroethylene	127-18-4	166	0.0200	0.136	ND	ND		1	WG857955
1,1,1-Trichloroethane	71-55-6	133	0.0200	0.109	ND	ND		1	WG857955
1,1,2-Trichloroethane	79-00-5	133	0.0300	0.163	ND	ND		1	WG857955
Trichloroethylene	79-01-6	131	0.0200	0.107	ND	ND		1	WG857955
Vinyl chloride	75-01-4	62.50	0.0200	0.0511	ND	ND		1	WG857955
Vinyl acetate	108-05-4	86.10	0.0200	0.0704	ND	ND		1	WG857955
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*108*				WG857955

Method Blank (MB)

(MB) 03/21/16 11:50

Analyte	MB Result %	MB Qualifier	MB RDL %
Total Solids	0.000500		

L823954-09 Original Sample (OS) • Duplicate (DUP)

(OS) 03/21/16 11:50 • (DUP) 03/21/16 11:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	69.9	69.7	1	0.293		5

Laboratory Control Sample (LCS)

(LCS) 03/21/16 11:50

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) 03/21/16 15:36

Analyte	MB Result %	MB Qualifier	MB RDL %
Total Solids	0.00100		

L824039-35 Original Sample (OS) • Duplicate (DUP)

(OS) 03/21/16 15:36 • (DUP) 03/21/16 15:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	73.8	73.8	1	0.0418		5

Laboratory Control Sample (LCS)

(LCS) 03/21/16 15:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) 03/21/16 11:19

Analyte	MB Result ppbv	MB Qualifier	MB RDL ppbv
Benzene	ND		0.0200
Carbon tetrachloride	ND		0.0200
Chloroethane	ND		0.0400
Chloroform	ND		0.0200
Chloromethane	ND		0.0300
1,2-Dibromoethane	ND		0.0200
1,4-Dichlorobenzene	ND		0.0200
1,1-Dichloroethane	ND		0.0200
1,1-Dichloroethene	ND		0.0200
cis-1,2-Dichloroethene	ND		0.0200
trans-1,2-Dichloroethene	ND		0.0200
1,2-Dichloropropane	ND		0.0300
cis-1,3-Dichloropropene	ND		0.0200
trans-1,3-Dichloropropene	ND		0.0300
Ethylbenzene	ND		0.0300
1,1,2,2-Tetrachloroethane	ND		0.0200
Tetrachloroethylene	ND		0.0200
1,1,1-Trichloroethane	ND		0.0200
1,1,2-Trichloroethane	ND		0.0300
Trichloroethylene	ND		0.0200
Vinyl chloride	ND		0.0200
Vinyl acetate	ND		0.0200
(S) 1,4-Bromofluorobenzene	*99.5*		*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/21/16 09:59 • (LCSD) 03/21/16 10:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.500	0.451	0.449	90.2	89.9	70.0-130			0.370	25
Carbon tetrachloride	0.500	0.475	0.466	94.9	93.2	70.0-130			1.85	25
Chloroethane	0.500	0.501	0.444	100	88.7	70.0-130			12.2	25
Chloroform	0.500	0.469	0.456	93.8	91.1	70.0-130			2.91	25
Chloromethane	0.500	0.489	0.483	97.8	96.6	70.0-130			1.24	25
1,2-Dibromoethane	0.500	0.479	0.472	95.8	94.4	70.0-130			1.43	25
1,4-Dichlorobenzene	0.500	0.507	0.484	101	96.8	70.0-130			4.64	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/21/16 09:59 • (LCSD) 03/21/16 10:40

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethane	0.500	0.489	0.464	97.7	92.9	70.0-130			5.05	25
1,1-Dichloroethene	0.500	0.513	0.444	103	88.9	70.0-130			14.4	25
cis-1,2-Dichloroethene	0.500	0.478	0.468	95.6	93.6	70.0-130			2.13	25
trans-1,2-Dichloroethene	0.500	0.509	0.453	102	90.6	70.0-130			11.6	25
1,2-Dichloropropane	0.500	0.481	0.473	96.3	94.5	70.0-130			1.81	25
cis-1,3-Dichloropropene	0.500	0.490	0.476	97.9	95.1	70.0-130			2.91	25
trans-1,3-Dichloropropene	0.500	0.493	0.485	98.6	96.9	70.0-130			1.74	25
Ethylbenzene	0.500	0.526	0.519	105	104	70.0-130			1.23	25
1,1,2,2-Tetrachloroethane	0.500	0.464	0.462	92.9	92.4	70.0-130			0.480	25
Tetrachloroethylene	0.500	0.481	0.478	96.2	95.5	70.0-130			0.760	25
1,1,1-Trichloroethane	0.500	0.472	0.464	94.3	92.9	70.0-130			1.54	25
1,1,2-Trichloroethane	0.500	0.477	0.472	95.4	94.5	70.0-130			0.920	25
Trichloroethylene	0.500	0.457	0.458	91.3	91.7	70.0-130			0.370	25
Vinyl chloride	0.500	0.478	0.452	95.7	90.3	70.0-130			5.72	25
Vinyl acetate	0.500	0.519	0.526	104	105	70.0-130			1.21	25
(S) 1,4-Bromofluorobenzene				*105*	*104*	*60.0-140*				

Method Blank (MB)

(MB) 03/21/16 20:05

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Acetone	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromobenzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
n-Butylbenzene	ND		0.00100
sec-Butylbenzene	ND		0.00100
tert-Butylbenzene	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
2-Chloroethyl vinyl ether	ND		0.0500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
2-Chlorotoluene	ND		0.00100
4-Chlorotoluene	ND		0.00100
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
1,1-Dichloropropene	ND		0.00100
1,3-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100

Method Blank (MB)

(MB) 03/21/16 20:05

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
2,2-Dichloropropane	ND		0.00100
Di-isopropyl ether	ND		0.00100
Ethylbenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.00100
Isopropylbenzene	ND		0.00100
p-Isopropyltoluene	ND		0.00100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Methyl tert-butyl ether	ND		0.00100
Naphthalene	ND		0.00500
n-Propylbenzene	ND		0.00100
Styrene	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,2-Trichlorotrifluoroethane	ND		0.00100
1,2,3-Trichlorobenzene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.00100
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,3-Trichloropropane	ND		0.00250
1,2,3-Trimethylbenzene	ND		0.00100
1,2,4-Trimethylbenzene	ND		0.00100
1,3,5-Trimethylbenzene	ND		0.00100
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*102*		*88.7-115*
(S) Dibromofluoromethane	*98.4*		*76.3-123*
(S) 4-Bromofluorobenzene	*91.8*		*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/21/16 18:27 • (LCSD) 03/21/16 18:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0755	0.0774	60.4	61.9	25.3-178			2.40	22.9
Acrylonitrile	0.125	0.101	0.100	80.7	80.1	57.8-143			0.780	20
Benzene	0.0250	0.0219	0.0216	87.6	86.5	72.6-120			1.30	20
Bromobenzene	0.0250	0.0204	0.0202	81.4	80.9	80.3-115			0.630	20
Bromodichloromethane	0.0250	0.0204	0.0207	81.7	82.9	75.3-119			1.38	20
Bromoform	0.0250	0.0212	0.0208	84.8	83.4	69.1-135			1.64	20
Bromomethane	0.0250	0.0167	0.0169	66.6	67.5	23.0-191			1.33	20
n-Butylbenzene	0.0250	0.0227	0.0217	90.9	86.6	74.2-134			4.77	20
sec-Butylbenzene	0.0250	0.0225	0.0212	90.1	84.9	77.8-129			6.00	20
tert-Butylbenzene	0.0250	0.0224	0.0216	89.6	86.2	77.2-129			3.90	20
Carbon tetrachloride	0.0250	0.0199	0.0191	79.8	76.6	69.4-129			4.10	20
Chlorobenzene	0.0250	0.0221	0.0216	88.5	86.5	78.9-122			2.29	20
Chlorodibromomethane	0.0250	0.0218	0.0222	87.0	88.8	76.4-126			1.98	20
Chloroethane	0.0250	0.0195	0.0198	78.1	79.1	47.2-147			1.23	20
2-Chloroethyl vinyl ether	0.125	0.121	0.123	96.5	98.6	16.7-162			2.23	23.7
Chloroform	0.0250	0.0211	0.0206	84.3	82.6	73.3-122			2.08	20
Chloromethane	0.0250	0.0210	0.0200	83.9	80.0	53.1-135			4.79	20
2-Chlorotoluene	0.0250	0.0232	0.0225	92.7	90.2	74.6-127			2.79	20
4-Chlorotoluene	0.0250	0.0220	0.0215	87.9	86.2	79.5-123			2.02	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0176	0.0188	70.6	75.2	64.9-131			6.39	20
1,2-Dibromoethane	0.0250	0.0214	0.0217	85.6	87.0	67.2-121			1.53	20
Dibromomethane	0.0250	0.0213	0.0211	85.4	84.2	78.5-117			1.34	20
1,2-Dichlorobenzene	0.0250	0.0228	0.0220	91.1	87.9	83.6-119			3.61	20
1,3-Dichlorobenzene	0.0250	0.0226	0.0221	90.2	88.6	75.9-129			1.88	20
1,4-Dichlorobenzene	0.0250	0.0219	0.0216	87.5	86.3	81.0-115			1.44	20
Dichlorodifluoromethane	0.0250	0.0202	0.0193	80.8	77.2	50.9-139			4.53	20
1,1-Dichloroethane	0.0250	0.0227	0.0221	90.8	88.6	71.7-125			2.48	20
1,2-Dichloroethane	0.0250	0.0203	0.0201	81.1	80.5	67.2-121			0.660	20
1,1-Dichloroethene	0.0250	0.0208	0.0174	83.0	69.6	60.6-133			17.6	20
cis-1,2-Dichloroethene	0.0250	0.0208	0.0204	83.2	81.7	76.1-121			1.92	20
trans-1,2-Dichloroethene	0.0250	0.0205	0.0198	82.1	79.2	70.7-124			3.65	20
1,2-Dichloropropane	0.0250	0.0238	0.0239	95.2	95.6	76.9-123			0.360	20
1,1-Dichloropropene	0.0250	0.0224	0.0219	89.7	87.8	71.2-126			2.21	20
1,3-Dichloropropane	0.0250	0.0232	0.0232	92.7	92.7	80.3-114			0.0500	20
cis-1,3-Dichloropropene	0.0250	0.0220	0.0223	88.2	89.4	77.3-123			1.35	20
trans-1,3-Dichloropropene	0.0250	0.0197	0.0197	78.6	78.8	73.0-127			0.270	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/21/16 18:27 • (LCSD) 03/21/16 18:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0201	0.0202	80.5	80.8	61.9-132			0.280	20
Di-isopropyl ether	0.0250	0.0220	0.0215	87.9	86.2	67.2-131			2.01	20
Ethylbenzene	0.0250	0.0220	0.0214	88.0	85.4	78.6-124			2.98	20
Hexachloro-1,3-butadiene	0.0250	0.0247	0.0233	98.9	93.3	69.2-136			5.80	20
Isopropylbenzene	0.0250	0.0220	0.0211	87.8	84.3	79.4-126			4.06	20
p-Isopropyltoluene	0.0250	0.0233	0.0223	93.4	89.2	75.4-132			4.56	20
2-Butanone (MEK)	0.125	0.0881	0.0892	70.5	71.3	44.5-154			1.16	21.3
Methylene Chloride	0.0250	0.0218	0.0216	87.3	86.4	68.2-119			1.04	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0988	0.101	79.0	81.0	61.1-138			2.50	20
Methyl tert-butyl ether	0.0250	0.0196	0.0192	78.4	77.0	70.2-122			1.81	20
Naphthalene	0.0250	0.0210	0.0204	83.9	81.5	69.9-132			2.94	20
n-Propylbenzene	0.0250	0.0225	0.0218	90.2	87.3	80.2-124			3.24	20
Styrene	0.0250	0.0210	0.0210	83.9	83.8	79.4-124			0.130	20
1,1,1,2-Tetrachloroethane	0.0250	0.0215	0.0211	85.9	84.5	76.7-127			1.61	20
1,1,2,2-Tetrachloroethane	0.0250	0.0191	0.0192	76.4	76.9	78.8-124	J4	J4	0.610	20
Tetrachloroethene	0.0250	0.0213	0.0211	85.3	84.3	71.1-133			1.24	20
Toluene	0.0250	0.0214	0.0215	85.4	86.0	76.7-116			0.680	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0232	0.0185	92.9	73.9	62.6-138		J3	22.8	20
1,2,3-Trichlorobenzene	0.0250	0.0222	0.0218	88.7	87.1	72.5-137			1.83	20
1,2,4-Trichlorobenzene	0.0250	0.0220	0.0213	88.2	85.1	74.0-137			3.53	20
1,1,1-Trichloroethane	0.0250	0.0199	0.0192	79.7	76.7	69.9-127			3.74	20
1,1,2-Trichloroethane	0.0250	0.0199	0.0207	79.7	82.8	81.9-119	J4		3.77	20
Trichloroethene	0.0250	0.0225	0.0219	90.0	87.8	77.2-122			2.48	20
Trichlorofluoromethane	0.0250	0.0185	0.0185	74.1	74.2	51.5-151			0.150	20
1,2,3-Trichloropropane	0.0250	0.0204	0.0212	81.5	84.7	74.0-124			3.85	20
1,2,3-Trimethylbenzene	0.0250	0.0217	0.0207	86.9	82.8	79.4-118			4.84	20
1,2,4-Trimethylbenzene	0.0250	0.0224	0.0212	89.7	84.8	77.1-124			5.59	20
1,3,5-Trimethylbenzene	0.0250	0.0216	0.0209	86.6	83.7	79.0-125			3.37	20
Vinyl chloride	0.0250	0.0210	0.0202	83.9	80.6	58.4-134			3.99	20
Xylenes, Total	0.0750	0.0651	0.0635	86.7	84.6	78.1-123			2.48	20
(S) Toluene-d8				*99.7*	*101*	*88.7-115*				
(S) Dibromofluoromethane				*97.9*	*97.4*	*76.3-123*				
(S) 4-Bromofluorobenzene				*95.4*	*94.4*	*69.7-129*				

Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

L824541-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/22/16 00:10 • (MS) 03/21/16 23:12 • (MSD) 03/21/16 23:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0723	0.0697	0.0544	0.000	0.000	1	5.00-182	J6	J6	24.8	31.5
Acrylonitrile	0.125	ND	0.0945	0.0750	75.6	60.0	1	39.3-152			23.0	27.2
Benzene	0.0250	0.000324	0.0220	0.0211	86.8	83.0	1	47.8-131			4.37	22.8
Bromobenzene	0.0250	ND	0.0186	0.0179	74.4	71.7	1	40.0-130			3.69	27.4
Bromodichloromethane	0.0250	ND	0.0201	0.0199	80.5	79.6	1	50.6-128			1.11	22.8
Bromoform	0.0250	ND	0.0182	0.0181	72.8	72.3	1	43.3-139			0.740	25.9
Bromomethane	0.0250	ND	0.0147	0.0138	58.8	55.2	1	5.00-189			6.22	26.7
n-Butylbenzene	0.0250	ND	0.0231	0.0218	92.3	87.2	1	23.6-146			5.73	39.2
sec-Butylbenzene	0.0250	ND	0.0199	0.0194	79.6	77.6	1	31.0-142			2.56	34.7
tert-Butylbenzene	0.0250	ND	0.0202	0.0198	80.9	79.1	1	36.9-142			2.27	31.7
Carbon tetrachloride	0.0250	ND	0.0192	0.0190	76.9	75.8	1	46.0-140			1.41	27.2
Chlorobenzene	0.0250	ND	0.0212	0.0200	84.8	80.2	1	44.1-134			5.58	25.7
Chlorodibromomethane	0.0250	ND	0.0207	0.0202	82.7	80.6	1	49.7-134			2.57	24
Chloroethane	0.0250	ND	0.0181	0.0187	72.4	74.8	1	5.00-164			3.36	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.113	0.116	90.4	92.9	1	5.00-159			2.68	40
Chloroform	0.0250	ND	0.0214	0.0205	85.7	82.2	1	51.2-133			4.21	22.8
Chloromethane	0.0250	ND	0.0189	0.0179	75.5	71.5	1	31.4-141			5.50	24.6
2-Chlorotoluene	0.0250	ND	0.0212	0.0202	84.7	80.8	1	36.1-137			4.76	28.9
4-Chlorotoluene	0.0250	ND	0.0207	0.0196	82.8	78.3	1	35.4-137			5.53	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0174	0.0170	69.7	68.2	1	40.4-138			2.23	30.8
1,2-Dibromoethane	0.0250	ND	0.0200	0.0197	80.1	78.8	1	50.2-133			1.58	23.6
Dibromomethane	0.0250	ND	0.0200	0.0208	79.9	83.2	1	52.4-128			4.11	23
1,2-Dichlorobenzene	0.0250	ND	0.0218	0.0209	87.2	83.5	1	34.6-139			4.36	29.9
1,3-Dichlorobenzene	0.0250	ND	0.0191	0.0184	76.2	73.4	1	28.4-142			3.75	31.2
1,4-Dichlorobenzene	0.0250	ND	0.0222	0.0206	88.8	82.3	1	35.0-133			7.59	31.1
Dichlorodifluoromethane	0.0250	ND	0.0173	0.0158	69.1	63.4	1	31.2-144			8.67	30.2
1,1-Dichloroethane	0.0250	ND	0.0232	0.0220	92.8	88.0	1	49.1-136			5.29	22.9
1,2-Dichloroethane	0.0250	ND	0.0204	0.0199	81.5	79.6	1	47.1-129			2.34	22.7
1,1-Dichloroethene	0.0250	ND	0.0205	0.0190	81.8	75.9	1	36.1-142			7.60	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.0206	0.0201	82.4	80.5	1	50.6-133			2.31	23
trans-1,2-Dichloroethene	0.0250	ND	0.0201	0.0188	80.5	75.0	1	43.8-135			7.09	24.8
1,2-Dichloropropane	0.0250	ND	0.0241	0.0232	96.4	93.0	1	50.3-134			3.66	22.7
1,1-Dichloropropene	0.0250	ND	0.0225	0.0212	90.0	84.9	1	43.0-137			5.83	26.4
1,3-Dichloropropane	0.0250	ND	0.0220	0.0219	88.0	87.5	1	51.4-127			0.640	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.0211	0.0207	84.5	82.9	1	48.4-134			1.89	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.0186	0.0184	74.4	73.7	1	46.6-135			0.920	25.3

L824541-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/22/16 00:10 • (MS) 03/21/16 23:12 • (MSD) 03/21/16 23:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	ND	0.0216	0.0221	86.4	88.5	1	45.2-141			2.34	26.8
Di-isopropyl ether	0.0250	ND	0.0220	0.0217	87.9	86.8	1	46.7-140			1.24	23.5
Ethylbenzene	0.0250	ND	0.0215	0.0207	86.0	82.7	1	44.8-135			3.88	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.0163	0.0156	65.1	62.4	1	10.0-149			4.36	40
Isopropylbenzene	0.0250	ND	0.0207	0.0200	82.6	80.0	1	41.9-139			3.23	29.3
p-Isopropyltoluene	0.0250	ND	0.0204	0.0202	81.7	80.9	1	27.3-146			0.950	35.1
2-Butanone (MEK)	0.125	0.00572	0.0785	0.0774	58.3	57.3	1	23.9-170			1.47	28.3
Methylene Chloride	0.0250	ND	0.0221	0.0209	88.2	83.4	1	46.7-125			5.61	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.0886	0.0922	70.9	73.8	1	42.4-146			4.01	26.7
Methyl tert-butyl ether	0.0250	ND	0.0189	0.0192	75.6	76.9	1	50.4-131			1.69	24.8
Naphthalene	0.0250	0.000267	0.0124	0.0131	48.4	51.5	1	18.4-145			6.03	34
n-Propylbenzene	0.0250	ND	0.0213	0.0203	85.2	81.1	1	35.2-139			4.93	31.9
Styrene	0.0250	ND	0.0195	0.0185	77.8	74.0	1	39.7-137			5.07	28.2
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0205	0.0197	82.1	79.0	1	48.8-136			3.94	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0169	0.0170	67.5	68.1	1	45.7-140			0.830	26.4
Tetrachloroethene	0.0250	ND	0.0209	0.0199	83.6	79.5	1	37.7-140			4.98	29.2
Toluene	0.0250	0.000185	0.0230	0.0219	91.4	86.9	1	47.8-127			5.03	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0214	0.0199	85.7	79.5	1	35.7-146			7.51	28.8
1,2,3-Trichlorobenzene	0.0250	0.000148	0.0127	0.0128	50.4	50.6	1	10.0-150			0.410	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.0144	0.0150	57.7	60.2	1	10.0-153			4.27	39.3
1,1,1-Trichloroethane	0.0250	ND	0.0197	0.0195	79.0	77.9	1	49.0-138			1.35	25.3
1,1,2-Trichloroethane	0.0250	ND	0.0192	0.0189	76.7	75.8	1	52.3-132			1.17	23.4
Trichloroethene	0.0250	ND	0.0214	0.0208	85.7	83.0	1	48.0-132			3.13	24.8
Trichlorofluoromethane	0.0250	ND	0.0176	0.0176	70.5	70.5	1	12.8-169			0.0300	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0179	0.0180	71.7	72.0	1	44.4-138			0.420	26.3
1,2,3-Trimethylbenzene	0.0250	ND	0.0227	0.0217	90.8	86.7	1	41.0-133			4.54	27.6
1,2,4-Trimethylbenzene	0.0250	ND	0.0202	0.0199	81.0	79.7	1	32.9-139			1.59	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.0199	0.0194	79.5	77.6	1	37.1-138			2.37	30.6
Vinyl chloride	0.0250	ND	0.0189	0.0181	75.6	72.3	1	32.0-146			4.41	26.3
Xylenes, Total	0.0750	ND	0.0647	0.0615	86.3	82.0	1	42.7-135			5.09	26.6
(S) Toluene-d8					*100*	*101*		*88.7-115*				
(S) Dibromofluoromethane					*99.3*	*98.0*		*76.3-123*				
(S) 4-Bromofluorobenzene					*86.7*	*87.6*		*69.7-129*				

Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) 03/22/16 05:31

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Acetone	ND		0.0500
Acrolein	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromobenzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
n-Butylbenzene	ND		0.00100
sec-Butylbenzene	ND		0.00100
tert-Butylbenzene	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
2-Chlorotoluene	ND		0.00100
4-Chlorotoluene	ND		0.00100
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
1,1-Dichloropropene	ND		0.00100
1,3-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100

Method Blank (MB)

(MB) 03/22/16 05:31

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
2,2-Dichloropropane	ND		0.00100
Di-isopropyl ether	ND		0.00100
Ethylbenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.00100
Isopropylbenzene	ND		0.00100
p-Isopropyltoluene	ND		0.00100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Methyl tert-butyl ether	ND		0.00100
Naphthalene	ND		0.00500
n-Propylbenzene	ND		0.00100
Styrene	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,2-Trichlorotrifluoroethane	ND		0.00100
1,2,3-Trichlorobenzene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.00100
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,3-Trichloropropane	ND		0.00250
1,2,3-Trimethylbenzene	ND		0.00100
1,2,4-Trimethylbenzene	ND		0.00100
1,3,5-Trimethylbenzene	ND		0.00100
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*104*		*90.0-115*
(S) Dibromofluoromethane	*111*		*79.0-121*
(S) 4-Bromofluorobenzene	*100*		*80.1-120*

Volatile Organic Compounds (GC/MS) by Method 8260C

L824454-09,10,11

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/22/16 04:14 • (LCSD) 03/22/16 04:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.126	0.118	100	94.3	28.7-175			6.33	20.9
Acrolein	0.125	0.108	0.105	86.3	83.7	40.4-172			3.06	20
Acrylonitrile	0.125	0.134	0.126	107	101	58.2-145			5.55	20
Benzene	0.0250	0.0251	0.0249	100	99.6	73.0-122			0.750	20
Bromobenzene	0.0250	0.0239	0.0244	95.4	97.5	81.5-115			2.11	20
Bromodichloromethane	0.0250	0.0243	0.0242	97.1	96.7	75.5-121			0.360	20
Bromoform	0.0250	0.0203	0.0199	81.4	79.7	71.5-131			2.11	20
Bromomethane	0.0250	0.0322	0.0326	129	131	22.4-187			1.33	20
n-Butylbenzene	0.0250	0.0260	0.0262	104	105	75.9-134			0.950	20
sec-Butylbenzene	0.0250	0.0215	0.0221	86.1	88.2	80.6-126			2.42	20
tert-Butylbenzene	0.0250	0.0215	0.0219	86.0	87.6	79.3-127			1.90	20
Carbon tetrachloride	0.0250	0.0246	0.0244	98.2	97.7	70.9-129			0.480	20
Chlorobenzene	0.0250	0.0220	0.0224	88.0	89.5	79.7-122			1.70	20
Chlorodibromomethane	0.0250	0.0217	0.0218	86.7	87.3	78.2-124			0.710	20
Chloroethane	0.0250	0.0274	0.0270	110	108	41.2-153			1.51	20
Chloroform	0.0250	0.0260	0.0260	104	104	73.2-125			0.330	20
Chloromethane	0.0250	0.0257	0.0251	103	100	55.8-134			2.47	20
2-Chlorotoluene	0.0250	0.0218	0.0216	87.0	86.6	76.4-125			0.540	20
4-Chlorotoluene	0.0250	0.0235	0.0238	93.8	95.0	81.5-121			1.26	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0218	0.0213	87.3	85.2	64.8-131			2.48	20
1,2-Dibromoethane	0.0250	0.0231	0.0230	92.2	92.2	79.8-122			0.0300	20
Dibromomethane	0.0250	0.0242	0.0240	96.9	95.9	78.8-119			1.03	20
1,2-Dichlorobenzene	0.0250	0.0238	0.0242	95.0	96.7	84.7-118			1.72	20
1,3-Dichlorobenzene	0.0250	0.0209	0.0214	83.7	85.6	77.6-127			2.30	20
1,4-Dichlorobenzene	0.0250	0.0224	0.0228	89.5	91.0	82.2-114			1.66	20
Dichlorodifluoromethane	0.0250	0.0297	0.0292	119	117	56.0-134			1.43	20
1,1-Dichloroethane	0.0250	0.0265	0.0263	106	105	71.7-127			0.650	20
1,2-Dichloroethane	0.0250	0.0280	0.0277	112	111	79.8-122			1.14	20
1,1-Dichloroethene	0.0250	0.0268	0.0265	107	106	59.9-137			1.19	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0262	100	105	77.3-122			4.30	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0244	97.9	97.5	72.6-125			0.370	20
1,2-Dichloropropane	0.0250	0.0242	0.0248	96.7	99.2	77.4-125			2.50	20
1,1-Dichloropropene	0.0250	0.0273	0.0272	109	109	72.5-127			0.270	20
1,3-Dichloropropane	0.0250	0.0243	0.0239	97.2	95.6	80.6-115			1.71	20
cis-1,3-Dichloropropene	0.0250	0.0247	0.0249	98.6	99.7	77.7-124			1.06	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0247	98.1	98.9	73.5-127			0.800	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/22/16 04:14 • (LCSD) 03/22/16 04:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0251	0.0255	101	102	61.3-134			1.45	20
Di-isopropyl ether	0.0250	0.0251	0.0248	100	99.1	65.1-135			1.19	20
Ethylbenzene	0.0250	0.0226	0.0229	90.5	91.5	80.9-121			1.11	20
Hexachloro-1,3-butadiene	0.0250	0.0207	0.0209	82.7	83.6	73.7-133			1.07	20
Isopropylbenzene	0.0250	0.0219	0.0223	87.7	89.1	81.6-124			1.53	20
p-Isopropyltoluene	0.0250	0.0220	0.0224	87.8	89.6	77.6-129			2.04	20
2-Butanone (MEK)	0.125	0.124	0.119	99.3	95.4	46.4-155			4.05	20
Methylene Chloride	0.0250	0.0241	0.0240	96.4	95.8	69.5-120			0.560	20
4-Methyl-2-pentanone (MIBK)	0.125	0.120	0.114	95.9	91.2	63.3-138			5.01	20
Methyl tert-butyl ether	0.0250	0.0260	0.0251	104	101	70.1-125			3.34	20
Naphthalene	0.0250	0.0219	0.0222	87.5	88.9	69.7-134			1.57	20
n-Propylbenzene	0.0250	0.0235	0.0240	94.1	95.8	81.9-122			1.83	20
Styrene	0.0250	0.0225	0.0229	90.2	91.6	79.9-124			1.51	20
1,1,1,2-Tetrachloroethane	0.0250	0.0213	0.0216	85.3	86.3	78.5-125			1.20	20
1,1,2,2-Tetrachloroethane	0.0250	0.0212	0.0208	84.9	83.0	79.3-123			2.20	20
Tetrachloroethene	0.0250	0.0209	0.0212	83.4	84.7	73.5-130			1.53	20
Toluene	0.0250	0.0234	0.0239	93.6	95.5	77.9-116			2.02	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0255	0.0253	102	101	62.0-141			0.540	20
1,2,3-Trichlorobenzene	0.0250	0.0208	0.0212	83.2	84.7	75.7-134			1.75	20
1,2,4-Trichlorobenzene	0.0250	0.0228	0.0229	91.3	91.5	76.1-136			0.250	20
1,1,1-Trichloroethane	0.0250	0.0254	0.0253	102	101	71.1-129			0.330	20
1,1,2-Trichloroethane	0.0250	0.0230	0.0230	92.0	92.0	81.6-120			0.000	20
Trichloroethene	0.0250	0.0222	0.0230	88.7	91.9	79.5-121			3.50	20
Trichlorofluoromethane	0.0250	0.0251	0.0256	100	102	49.1-157			2.05	20
1,2,3-Trichloropropane	0.0250	0.0227	0.0224	90.7	89.7	74.9-124			1.08	20
1,2,3-Trimethylbenzene	0.0250	0.0239	0.0243	95.8	97.4	79.9-118			1.68	20
1,2,4-Trimethylbenzene	0.0250	0.0219	0.0227	87.8	90.7	79.0-122			3.33	20
1,3,5-Trimethylbenzene	0.0250	0.0216	0.0219	86.3	87.7	81.0-123			1.57	20
Vinyl chloride	0.0250	0.0275	0.0269	110	107	61.5-134			2.20	20
Xylenes, Total	0.0750	0.0650	0.0665	86.7	88.6	79.2-122			2.20	20
(S) Toluene-d8				*106*	*107*	*90.0-115*				
(S) Dibromofluoromethane				*113*	*111*	*79.0-121*				
(S) 4-Bromofluorobenzene				*103*	*102*	*80.1-120*				

Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) 03/22/16 05:39

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Acetone	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromobenzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
n-Butylbenzene	ND		0.00100
sec-Butylbenzene	ND		0.00100
tert-Butylbenzene	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
2-Chloroethyl vinyl ether	ND		0.0500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
2-Chlorotoluene	ND		0.00100
4-Chlorotoluene	ND		0.00100
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
1,1-Dichloropropene	ND		0.00100
1,3-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100

Method Blank (MB)

(MB) 03/22/16 05:39

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
2,2-Dichloropropane	ND		0.00100
Di-isopropyl ether	ND		0.00100
Ethylbenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.00100
Isopropylbenzene	ND		0.00100
p-Isopropyltoluene	ND		0.00100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Methyl tert-butyl ether	ND		0.00100
Naphthalene	ND		0.00500
n-Propylbenzene	ND		0.00100
Styrene	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,2-Trichlorotrifluoroethane	ND		0.00100
1,2,3-Trichlorobenzene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.00100
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,3-Trichloropropane	ND		0.00250
1,2,3-Trimethylbenzene	ND		0.00100
1,2,4-Trimethylbenzene	ND		0.00100
1,3,5-Trimethylbenzene	ND		0.00100
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*104*		*88.7-115*
(S) Dibromofluoromethane	*103*		*76.3-123*
(S) 4-Bromofluorobenzene	*94.6*		*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/22/16 04:07 • (LCSD) 03/22/16 04:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0904	0.0891	72.3	71.3	25.3-178			1.45	22.9
Acrylonitrile	0.125	0.114	0.110	91.1	87.6	57.8-143			3.88	20
Benzene	0.0250	0.0222	0.0223	88.9	89.3	72.6-120			0.420	20
Bromobenzene	0.0250	0.0228	0.0236	91.2	94.4	80.3-115			3.40	20
Bromodichloromethane	0.0250	0.0227	0.0232	91.0	92.7	75.3-119			1.86	20
Bromoform	0.0250	0.0220	0.0227	88.1	90.9	69.1-135			3.15	20
Bromomethane	0.0250	0.0343	0.0359	137	143	23.0-191			4.37	20
n-Butylbenzene	0.0250	0.0236	0.0237	94.2	94.8	74.2-134			0.590	20
sec-Butylbenzene	0.0250	0.0230	0.0236	91.9	94.2	77.8-129			2.52	20
tert-Butylbenzene	0.0250	0.0225	0.0237	89.8	94.9	77.2-129			5.46	20
Carbon tetrachloride	0.0250	0.0224	0.0227	89.6	90.7	69.4-129			1.28	20
Chlorobenzene	0.0250	0.0236	0.0244	94.5	97.5	78.9-122			3.09	20
Chlorodibromomethane	0.0250	0.0239	0.0240	95.5	96.0	76.4-126			0.590	20
Chloroethane	0.0250	0.0298	0.0308	119	123	47.2-147			3.29	20
2-Chloroethyl vinyl ether	0.125	0.141	0.143	113	114	16.7-162			0.850	23.7
Chloroform	0.0250	0.0234	0.0237	93.7	94.9	73.3-122			1.20	20
Chloromethane	0.0250	0.0237	0.0238	94.9	95.4	53.1-135			0.530	20
2-Chlorotoluene	0.0250	0.0217	0.0229	86.7	91.7	74.6-127			5.60	20
4-Chlorotoluene	0.0250	0.0240	0.0237	96.0	94.6	79.5-123			1.42	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0214	0.0208	85.6	83.3	64.9-131			2.68	20
1,2-Dibromoethane	0.0250	0.0237	0.0237	94.7	95.0	67.2-121			0.280	20
Dibromomethane	0.0250	0.0233	0.0240	93.3	95.9	78.5-117			2.75	20
1,2-Dichlorobenzene	0.0250	0.0229	0.0233	91.6	93.1	83.6-119			1.69	20
1,3-Dichlorobenzene	0.0250	0.0223	0.0226	89.0	90.6	75.9-129			1.75	20
1,4-Dichlorobenzene	0.0250	0.0233	0.0230	93.1	92.0	81.0-115			1.13	20
Dichlorodifluoromethane	0.0250	0.0290	0.0284	116	113	50.9-139			2.07	20
1,1-Dichloroethane	0.0250	0.0227	0.0228	90.7	91.3	71.7-125			0.620	20
1,2-Dichloroethane	0.0250	0.0231	0.0234	92.4	93.8	67.2-121			1.49	20
1,1-Dichloroethene	0.0250	0.0271	0.0285	109	114	60.6-133			4.97	20
cis-1,2-Dichloroethene	0.0250	0.0234	0.0240	93.8	95.8	76.1-121			2.17	20
trans-1,2-Dichloroethene	0.0250	0.0240	0.0244	96.0	97.5	70.7-124			1.52	20
1,2-Dichloropropane	0.0250	0.0230	0.0227	92.1	90.8	76.9-123			1.43	20
1,1-Dichloropropene	0.0250	0.0245	0.0245	98.0	98.0	71.2-126			0.0100	20
1,3-Dichloropropane	0.0250	0.0229	0.0230	91.5	91.9	80.3-114			0.480	20
cis-1,3-Dichloropropene	0.0250	0.0238	0.0243	95.1	97.0	77.3-123			2.02	20
trans-1,3-Dichloropropene	0.0250	0.0249	0.0242	99.6	96.9	73.0-127			2.73	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/22/16 04:07 • (LCSD) 03/22/16 04:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0234	0.0247	93.7	98.9	61.9-132			5.46	20
Di-isopropyl ether	0.0250	0.0224	0.0223	89.8	89.0	67.2-131			0.810	20
Ethylbenzene	0.0250	0.0238	0.0246	95.3	98.5	78.6-124			3.24	20
Hexachloro-1,3-butadiene	0.0250	0.0217	0.0213	87.0	85.2	69.2-136			2.15	20
Isopropylbenzene	0.0250	0.0226	0.0238	90.5	95.0	79.4-126			4.85	20
p-Isopropyltoluene	0.0250	0.0234	0.0240	93.8	96.1	75.4-132			2.50	20
2-Butanone (MEK)	0.125	0.104	0.100	83.0	80.3	44.5-154			3.33	21.3
Methylene Chloride	0.0250	0.0225	0.0228	90.1	91.4	68.2-119			1.38	20
4-Methyl-2-pentanone (MIBK)	0.125	0.117	0.115	93.4	91.7	61.1-138			1.85	20
Methyl tert-butyl ether	0.0250	0.0218	0.0225	87.1	89.8	70.2-122			3.05	20
Naphthalene	0.0250	0.0203	0.0204	81.4	81.5	69.9-132			0.200	20
n-Propylbenzene	0.0250	0.0235	0.0243	94.1	97.3	80.2-124			3.34	20
Styrene	0.0250	0.0236	0.0244	94.2	97.7	79.4-124			3.56	20
1,1,1,2-Tetrachloroethane	0.0250	0.0230	0.0245	92.1	98.0	76.7-127			6.16	20
1,1,2,2-Tetrachloroethane	0.0250	0.0223	0.0231	89.4	92.2	78.8-124			3.14	20
Tetrachloroethene	0.0250	0.0232	0.0236	92.9	94.6	71.1-133			1.78	20
Toluene	0.0250	0.0226	0.0226	90.4	90.4	76.7-116			0.0200	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0294	0.0294	118	118	62.6-138			0.100	20
1,2,3-Trichlorobenzene	0.0250	0.0212	0.0214	84.7	85.7	72.5-137			1.14	20
1,2,4-Trichlorobenzene	0.0250	0.0220	0.0217	88.0	87.0	74.0-137			1.16	20
1,1,1-Trichloroethane	0.0250	0.0240	0.0241	96.0	96.5	69.9-127			0.500	20
1,1,2-Trichloroethane	0.0250	0.0234	0.0235	93.6	94.1	81.9-119			0.580	20
Trichloroethene	0.0250	0.0230	0.0237	91.8	94.7	77.2-122			3.09	20
Trichlorofluoromethane	0.0250	0.0257	0.0263	103	105	51.5-151			2.28	20
1,2,3-Trichloropropane	0.0250	0.0228	0.0231	91.1	92.2	74.0-124			1.26	20
1,2,3-Trimethylbenzene	0.0250	0.0227	0.0233	90.6	93.0	79.4-118			2.64	20
1,2,4-Trimethylbenzene	0.0250	0.0233	0.0241	93.1	96.3	77.1-124			3.42	20
1,3,5-Trimethylbenzene	0.0250	0.0228	0.0237	91.4	94.7	79.0-125			3.54	20
Vinyl chloride	0.0250	0.0266	0.0263	107	105	58.4-134			1.08	20
Xylenes, Total	0.0750	0.0709	0.0732	94.5	97.5	78.1-123			3.14	20
(S) Toluene-d8				*102*	*104*	*88.7-115*				
(S) Dibromofluoromethane				*101*	*101*	*76.3-123*				
(S) 4-Bromofluorobenzene				*97.9*	*101*	*69.7-129*				

Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) 03/22/16 12:37

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
2-Chloroethyl vinyl ether	ND		0.0500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 03/22/16 11:14 • (LCSD) 03/22/16 11:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Chloroethyl vinyl ether	0.125	0.132	0.134	105	107	23.4-162			1.41	23.5

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
B	The same analyte is found in the associated blank.
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.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [14]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

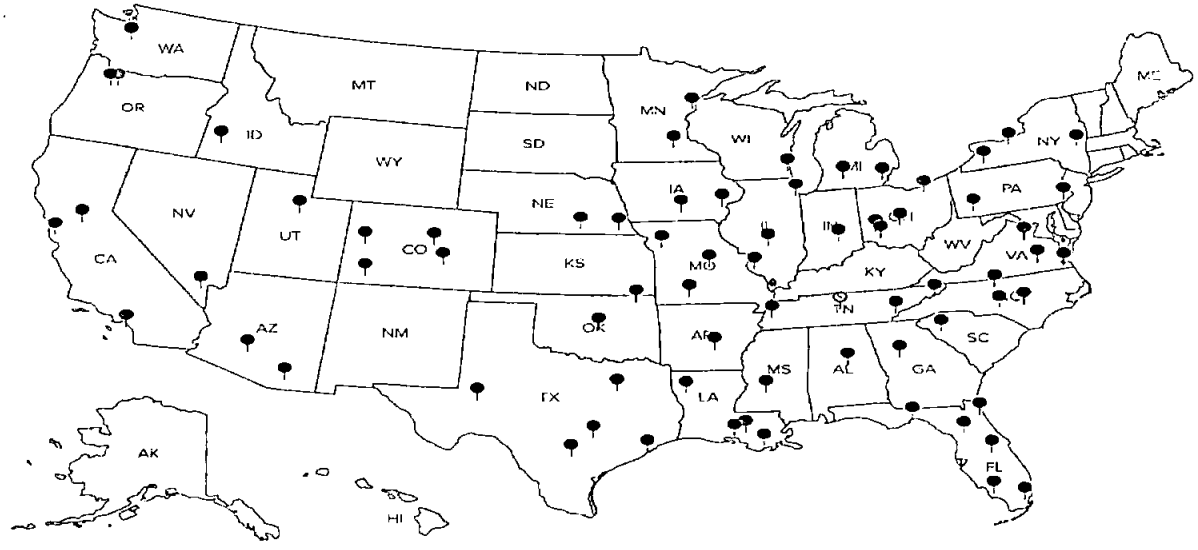
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Email To: CDeBoer@pesenv.com

Report to:
Chris DeBoer

Project Description:

City/State Collected:

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #

Lab Project # PESENVSWA-AIR

Collected by (print): CJD

Site/Facility ID # Lake Stevens

P.O. #

Collected by (signature): Chris DeBoer

Rush? (Lab MUST Be Notified)
- Same Day 200%
- X Next Day 100%
- ___ Two Day 50%
- ___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? ___No ___Yes

Immediately Packed on Ice N___ Y ✓

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L824456
L122
A097

Acctnum: PESENVSWA
Template: T110587
Prelogin: P546003
TSR: 358 - Jarred Willis
PB: 3/14/16 MB
Shipped Via: FedEX 2nd Day

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	V8260C- Trip Blank 40mlAmb-HCl-Blk	VOC Screen / TS 4ozClr-NoPres				Rem./Contaminant	Sample # (lab only)
IA-031716	Grab	Air	NA	3/17/16	1730	~~1~~	X									-12
OA-031716		Air	NA	3/17/16	1737	~~1~~	X									-13
SV1-031816		Air	.5	3/18/16	937	1	X									-01
SV2-031816		Air	.5	3/18/16	950	1	X									-02
SV3-031816		Air	.5	3/18/16	1010	1	X									-03
TW-1-8		~~Air~~ SS	8	3/17/16	1210	~~1~~ 4	X									-04
TW-2-6		SS	6	3/17/16	1310	4		X			X					-05
SV1-1.5		SS	1.5	3/18/16	1205	4		X			X					-06
SV2-1		SS	1	3/18/16	1230	4		X			X					-07
SV3-1.5		SS	1.5	3/18/16	1310	4		X			X					-08

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

pH ______ Temp ______
Flow ______ Other ______

Remarks:

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	
Chris DeBoer	3/18/16	1610		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ______
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 °C Bottles Received: 30 32
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/19/16 Time: 900

Condition: (lab use only)
COC Seal Intact: ✓ Y ___N ___NA
pH Checked: NCF: ✓

PES Environmental, Inc.- WA 1215 Fourth Ave., Suite 1350 Seattle, WA 98161	Billing Information: Attn: Accounts Payable 1215 Fourth Ave., Ste. 1350 Seattle, WA 98161
Report to: Chris DeBoer	Email To: CDeBoer@pesenv.com

Project Description:		City/State Collected:
Phone: 206-529-3980 Fax: 206-529-3985	Client Project #	Lab Project # PESENVSWA-AIR
Collected by (print): CJD	Site/Facility ID # Lake Stevens	P.O. #
Collected by (signature): Chris DeBoer Immediately Packed on Ice N ___ Y ✓	*Rush?* (Lab MUST Be Notified) ___ Same Day .... 200% X Next Day .... 100% ___ Two Day .... 50% ___ Three Day 25%	Date Results Needed Email? ___No X__Yes FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	TO-15SIM Summa	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	V8260C-Trip Blank 40mlAmb-HCl-Blk	VOC Screen/TS4ozClr-NoPres						Rem./Contaminant	Sample # (lab only)
TW-1-W	GRAB	GW	9	3/17/16	1425	3			X									-09
TW-2-W		GW	6	3/17/16	1515	3			X									-10
		GW				3			X									
TRIP BLANK		GW				1				X								11

Chain of Custody Page ___ of ___

ESC LAB SCIENCES

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L824454

Table #

Acctnum: PESENVSWA
Template: T110587
Prelogin: P546003
TSR: 358 - Jarred Willis
PB: 3/4/16 MG

Shipped Via: FedEX 2nd Day

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other___________

Remarks:

pH ________ Temp ________

Flow ________ Other ________

Hold #

Relinquished by : (Signature) Chris DeBoer	Date: 3/18/16	Time: 1610	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 °C Bottles Received: 30	COC Seal Intact: ✓ Y ___ N ___ NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/19/16 Time: 900	pH Checked: NCF:

Andy Vann

ESC Lab Sciences
Non-Conformance Form

Login #: L824454	Client: PESENVSWA	Date: 3/19/16	Evaluated by: Jeremy

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:

Client sent SS samples for TW-1-8 has TO-15SIM marked on COC. Please advise

Client informed by:		Call		Email X		Voice Mail		Date: 3/21/16	Time: 1045
TSR Initials: JW	Client Contact: Chris DeBoer								

Login Instructions: **Log sample "TW-1-8" for V8260C and TS. Add to L824454 as R2 due 3/22.**

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Lake Stevens Marketplace
Lab ID: 1607053

July 14, 2016

Attention Brian O'Neal:

Fremont Analytical, Inc. received 5 sample(s) on 7/7/2016 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward
Project Manager

Fremont Analytical

Date: *07/14/2016*

CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab Order: 1607053

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1607053-001	SB-1a-8	07/07/2016 10:30 AM	07/07/2016 4:51 PM
1607053-002	SB-2-6	07/07/2016 11:10 AM	07/07/2016 4:51 PM
1607053-003	SB-3-7	07/07/2016 12:20 PM	07/07/2016 4:51 PM
1607053-004	SB-4-7	07/07/2016 12:45 PM	07/07/2016 4:51 PM
1607053-005	SB-5-8	07/07/2016 1:20 PM	07/07/2016 4:51 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Fremont Analytical

Case Narrative

WO#: **1607053**
Date: **7/14/2016**

CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Fremont Analytical

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-001
Client Sample ID: **SB-1a-8**

Collection Date: 7/7/2016 10:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0623		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Chloromethane	ND	0.0623		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Vinyl chloride	ND	0.00208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Bromomethane	ND	0.0934		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Trichlorofluoromethane (CFC-11)	ND	0.0519		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Chloroethane	ND	0.0623		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,1-Dichloroethene	ND	0.0519		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Methylene chloride	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
trans-1,2-Dichloroethene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Methyl tert-butyl ether (MTBE)	ND	0.0519		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,1-Dichloroethane	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
2,2-Dichloropropane	ND	0.0519	Q	mg/Kg-dry	1	7/13/2016 9:59:02 AM
cis-1,2-Dichloroethene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Chloroform	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,1,1-Trichloroethane (TCA)	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,1-Dichloropropene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Carbon tetrachloride	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2-Dichloroethane (EDC)	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Benzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Trichloroethene (TCE)	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2-Dichloropropane	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Bromodichloromethane	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Dibromomethane	ND	0.0415		mg/Kg-dry	1	7/13/2016 9:59:02 AM
cis-1,3-Dichloropropene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Toluene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
trans-1,3-Dichloropropylene	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,1,2-Trichloroethane	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,3-Dichloropropane	ND	0.0519		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Tetrachloroethene (PCE)	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Dibromochloromethane	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2-Dibromoethane (EDB)	ND	0.00519		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Chlorobenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,1,1,2-Tetrachloroethane	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Ethylbenzene	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
m,p-Xylene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
o-Xylene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Styrene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Isopropylbenzene	ND	0.0830		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Bromoform	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-001
Client Sample ID: **SB-1a-8**

Collection Date: 7/7/2016 10:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
1,1,2,2-Tetrachloroethane	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
n-Propylbenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Bromobenzene	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,3,5-Trimethylbenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
2-Chlorotoluene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
4-Chlorotoluene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
tert-Butylbenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2,3-Trichloropropane	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2,4-Trichlorobenzene	ND	0.0519		mg/Kg-dry	1	7/13/2016 9:59:02 AM
sec-Butylbenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
4-Isopropyltoluene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,3-Dichlorobenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,4-Dichlorobenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
n-Butylbenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2-Dichlorobenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2-Dibromo-3-chloropropane	ND	0.519		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2,4-Trimethylbenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Hexachlorobutadiene	ND	0.104		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Naphthalene	ND	0.0311		mg/Kg-dry	1	7/13/2016 9:59:02 AM
1,2,3-Trichlorobenzene	ND	0.0208		mg/Kg-dry	1	7/13/2016 9:59:02 AM
Surr: Dibromofluoromethane	99.6	56.5-129		%Rec	1	7/13/2016 9:59:02 AM
Surr: Toluene-d8	96.9	64.3-131		%Rec	1	7/13/2016 9:59:02 AM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%Rec	1	7/13/2016 9:59:02 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R30464		Analyst: ME
Percent Moisture	9.51	0.500		wt%	1	7/11/2016 10:18:11 AM

Fremont Analytical

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-002
Client Sample ID: SB-2-6

Collection Date: 7/7/2016 11:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0629		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Chloromethane	ND	0.0629		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Vinyl chloride	ND	0.00210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Bromomethane	ND	0.0943		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Trichlorofluoromethane (CFC-11)	ND	0.0524		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Chloroethane	ND	0.0629		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,1-Dichloroethene	ND	0.0524		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Methylene chloride	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
trans-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Methyl tert-butyl ether (MTBE)	ND	0.0524		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,1-Dichloroethane	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
2,2-Dichloropropane	ND	0.0524	Q	mg/Kg-dry	1	7/13/2016 7:03:31 AM
cis-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Chloroform	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,1,1-Trichloroethane (TCA)	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,1-Dichloropropene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Carbon tetrachloride	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2-Dichloroethane (EDC)	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Benzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Trichloroethene (TCE)	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2-Dichloropropane	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Bromodichloromethane	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Dibromomethane	ND	0.0419		mg/Kg-dry	1	7/13/2016 7:03:31 AM
cis-1,3-Dichloropropene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Toluene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
trans-1,3-Dichloropropylene	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,1,2-Trichloroethane	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,3-Dichloropropane	ND	0.0524		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Tetrachloroethene (PCE)	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Dibromochloromethane	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2-Dibromoethane (EDB)	ND	0.00524		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Chlorobenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,1,1,2-Tetrachloroethane	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Ethylbenzene	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
m,p-Xylene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
o-Xylene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Styrene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Isopropylbenzene	ND	0.0838		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Bromoform	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM

Fremont Analytical

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-002
Client Sample ID: **SB-2-6**

Collection Date: 7/7/2016 11:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
1,1,2,2-Tetrachloroethane	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
n-Propylbenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Bromobenzene	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,3,5-Trimethylbenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
2-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
4-Chlorotoluene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
tert-Butylbenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2,3-Trichloropropane	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2,4-Trichlorobenzene	ND	0.0524		mg/Kg-dry	1	7/13/2016 7:03:31 AM
sec-Butylbenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
4-Isopropyltoluene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,3-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,4-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
n-Butylbenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2-Dichlorobenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2-Dibromo-3-chloropropane	ND	0.524		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2,4-Trimethylbenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Hexachlorobutadiene	ND	0.105		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Naphthalene	ND	0.0314		mg/Kg-dry	1	7/13/2016 7:03:31 AM
1,2,3-Trichlorobenzene	ND	0.0210		mg/Kg-dry	1	7/13/2016 7:03:31 AM
Surr: Dibromofluoromethane	97.8	56.5-129		%Rec	1	7/13/2016 7:03:31 AM
Surr: Toluene-d8	99.6	64.3-131		%Rec	1	7/13/2016 7:03:31 AM
Surr: 1-Bromo-4-fluorobenzene	106	63.1-141		%Rec	1	7/13/2016 7:03:31 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Moisture (Percent Moisture)				Batch ID: R30464		Analyst: ME
Percent Moisture	13.0	0.500		wt%	1	7/11/2016 10:18:11 AM

Client: PES Environmental, Inc.
Collection Date: 7/7/2016 12:20:00 PM
Project: Lake Stevens Marketplace
Lab ID: 1607053-003
Matrix: Soil
Client Sample ID: SB-3-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0592		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Chloromethane	ND	0.0592		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Vinyl chloride	ND	0.00197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Bromomethane	ND	0.0888		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Trichlorofluoromethane (CFC-11)	ND	0.0493		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Chloroethane	ND	0.0592		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,1-Dichloroethene	ND	0.0493		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Methylene chloride	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
trans-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Methyl tert-butyl ether (MTBE)	ND	0.0493		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,1-Dichloroethane	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
2,2-Dichloropropane	ND	0.0493	Q	mg/Kg-dry	1	7/13/2016 10:28:18 AM
cis-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Chloroform	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,1,1-Trichloroethane (TCA)	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,1-Dichloropropene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Carbon tetrachloride	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2-Dichloroethane (EDC)	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Benzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Trichloroethene (TCE)	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2-Dichloropropane	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Bromodichloromethane	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Dibromomethane	ND	0.0394		mg/Kg-dry	1	7/13/2016 10:28:18 AM
cis-1,3-Dichloropropene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Toluene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
trans-1,3-Dichloropropylene	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,1,2-Trichloroethane	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,3-Dichloropropane	ND	0.0493		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Tetrachloroethene (PCE)	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Dibromochloromethane	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2-Dibromoethane (EDB)	ND	0.00493		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Chlorobenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,1,1,2-Tetrachloroethane	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Ethylbenzene	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
m,p-Xylene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
o-Xylene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Styrene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Isopropylbenzene	ND	0.0789		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Bromoform	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-003
Client Sample ID: SB-3-7

Collection Date: 7/7/2016 12:20:00 PM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260C

Batch ID: 14232 Analyst: EM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,1,2,2-Tetrachloroethane	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
n-Propylbenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Bromobenzene	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,3,5-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
2-Chlorotoluene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
4-Chlorotoluene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
tert-Butylbenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2,3-Trichloropropane	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2,4-Trichlorobenzene	ND	0.0493		mg/Kg-dry	1	7/13/2016 10:28:18 AM
sec-Butylbenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
4-Isopropyltoluene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,3-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,4-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
n-Butylbenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2-Dibromo-3-chloropropane	ND	0.493		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2,4-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Hexachlorobutadiene	ND	0.0986		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Naphthalene	ND	0.0296		mg/Kg-dry	1	7/13/2016 10:28:18 AM
1,2,3-Trichlorobenzene	ND	0.0197		mg/Kg-dry	1	7/13/2016 10:28:18 AM
Surr: Dibromofluoromethane	98.8	56.5-129		%Rec	1	7/13/2016 10:28:18 AM
Surr: Toluene-d8	99.8	64.3-131		%Rec	1	7/13/2016 10:28:18 AM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%Rec	1	7/13/2016 10:28:18 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Moisture (Percent Moisture)

Batch ID: R30464 Analyst: ME

Percent Moisture	10.5	0.500		wt%	1	7/11/2016 10:18:11 AM

Fremont Analytical

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Collection Date: 7/7/2016 12:45:00 PM
Project: Lake Stevens Marketplace
Lab ID: 1607053-004
Matrix: Soil
Client Sample ID: SB-4-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0673		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Chloromethane	ND	0.0673		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Vinyl chloride	ND	0.00224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Bromomethane	ND	0.101		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Trichlorofluoromethane (CFC-11)	ND	0.0561		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Chloroethane	ND	0.0673		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,1-Dichloroethene	ND	0.0561		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Methylene chloride	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
trans-1,2-Dichloroethene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Methyl tert-butyl ether (MTBE)	ND	0.0561		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,1-Dichloroethane	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
2,2-Dichloropropane	ND	0.0561	Q	mg/Kg-dry	1	7/13/2016 10:57:28 AM
cis-1,2-Dichloroethene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Chloroform	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,1,1-Trichloroethane (TCA)	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,1-Dichloropropene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Carbon tetrachloride	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2-Dichloroethane (EDC)	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Benzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Trichloroethene (TCE)	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2-Dichloropropane	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Bromodichloromethane	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Dibromomethane	ND	0.0448		mg/Kg-dry	1	7/13/2016 10:57:28 AM
cis-1,3-Dichloropropene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Toluene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
trans-1,3-Dichloropropylene	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,1,2-Trichloroethane	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,3-Dichloropropane	ND	0.0561		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Tetrachloroethene (PCE)	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Dibromochloromethane	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2-Dibromoethane (EDB)	ND	0.00561		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Chlorobenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,1,1,2-Tetrachloroethane	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Ethylbenzene	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
m,p-Xylene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
o-Xylene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Styrene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Isopropylbenzene	ND	0.0897		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Bromoform	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM

Fremont Analytical

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-004
Client Sample ID: SB-4-7

Collection Date: 7/7/2016 12:45:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
1,1,2,2-Tetrachloroethane	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
n-Propylbenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Bromobenzene	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,3,5-Trimethylbenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
2-Chlorotoluene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
4-Chlorotoluene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
tert-Butylbenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2,3-Trichloropropane	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2,4-Trichlorobenzene	ND	0.0561		mg/Kg-dry	1	7/13/2016 10:57:28 AM
sec-Butylbenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
4-Isopropyltoluene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,3-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,4-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
n-Butylbenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2-Dibromo-3-chloropropane	ND	0.561		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2,4-Trimethylbenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Hexachlorobutadiene	ND	0.112		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Naphthalene	ND	0.0336		mg/Kg-dry	1	7/13/2016 10:57:28 AM
1,2,3-Trichlorobenzene	ND	0.0224		mg/Kg-dry	1	7/13/2016 10:57:28 AM
Surr: Dibromofluoromethane	99.0	56.5-129		%Rec	1	7/13/2016 10:57:28 AM
Surr: Toluene-d8	99.6	64.3-131		%Rec	1	7/13/2016 10:57:28 AM
Surr: 1-Bromo-4-fluorobenzene	102	63.1-141		%Rec	1	7/13/2016 10:57:28 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Moisture (Percent Moisture)				Batch ID: R30464		Analyst: ME
Percent Moisture	9.31	0.500		wt%	1	7/11/2016 10:18:11 AM

Fremont Analytical

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-005
Client Sample ID: **SB-5-8**

Collection Date: 7/7/2016 1:20:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
Dichlorodifluoromethane (CFC-12)	ND	0.0617		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Chloromethane	ND	0.0617		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Vinyl chloride	ND	0.00206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Bromomethane	ND	0.0926		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Trichlorofluoromethane (CFC-11)	ND	0.0514		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Chloroethane	ND	0.0617		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,1-Dichloroethene	ND	0.0514		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Methylene chloride	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
trans-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Methyl tert-butyl ether (MTBE)	ND	0.0514		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,1-Dichloroethane	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
2,2-Dichloropropane	ND	0.0514	Q	mg/Kg-dry	1	7/13/2016 11:26:50 AM
cis-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Chloroform	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,1,1-Trichloroethane (TCA)	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,1-Dichloropropene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Carbon tetrachloride	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2-Dichloroethane (EDC)	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Benzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Trichloroethene (TCE)	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2-Dichloropropane	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Bromodichloromethane	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Dibromomethane	ND	0.0412		mg/Kg-dry	1	7/13/2016 11:26:50 AM
cis-1,3-Dichloropropene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Toluene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
trans-1,3-Dichloropropylene	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,1,2-Trichloroethane	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,3-Dichloropropane	ND	0.0514		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Tetrachloroethene (PCE)	0.112	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Dibromochloromethane	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2-Dibromoethane (EDB)	ND	0.00514		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Chlorobenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,1,1,2-Tetrachloroethane	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Ethylbenzene	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
m,p-Xylene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
o-Xylene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Styrene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Isopropylbenzene	ND	0.0823		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Bromoform	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM

Fremont Analytical

Analytical Report

WO#: **1607053**
Date Reported: **7/14/2016**

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607053-005
Client Sample ID: SB-5-8

Collection Date: 7/7/2016 1:20:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14232		Analyst: EM
1,1,2,2-Tetrachloroethane	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
n-Propylbenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Bromobenzene	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,3,5-Trimethylbenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
2-Chlorotoluene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
4-Chlorotoluene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
tert-Butylbenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2,3-Trichloropropane	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2,4-Trichlorobenzene	ND	0.0514		mg/Kg-dry	1	7/13/2016 11:26:50 AM
sec-Butylbenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
4-Isopropyltoluene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,3-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,4-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
n-Butylbenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2-Dichlorobenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2-Dibromo-3-chloropropane	ND	0.514		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2,4-Trimethylbenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Hexachlorobutadiene	ND	0.103		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Naphthalene	ND	0.0309		mg/Kg-dry	1	7/13/2016 11:26:50 AM
1,2,3-Trichlorobenzene	ND	0.0206		mg/Kg-dry	1	7/13/2016 11:26:50 AM
Surr: Dibromofluoromethane	97.3	56.5-129		%Rec	1	7/13/2016 11:26:50 AM
Surr: Toluene-d8	99.3	64.3-131		%Rec	1	7/13/2016 11:26:50 AM
Surr: 1-Bromo-4-fluorobenzene	101	63.1-141		%Rec	1	7/13/2016 11:26:50 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Moisture (Percent Moisture)				Batch ID: R30464		Analyst: ME
Percent Moisture	8.23	0.500		wt%	1	7/11/2016 10:18:11 AM

Fremont Analytical

Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-14232**	SampType: **LCS**			Units: **µg/L**		Prep Date: **7/12/2016**		RunNo: **30519**			
Client ID: **LCSS**	Batch ID: **14232**					Analysis Date: **7/12/2016**		SeqNo: **576047**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.15	0.0600	1.000	0	115	34.5	141				
Chloromethane	0.993	0.0600	1.000	0	99.3	38.8	132				
Vinyl chloride	1.02	0.00200	1.000	0	102	44	142				
Bromomethane	1.20	0.0900	1.000	0	120	40.9	157				
Trichlorofluoromethane (CFC-11)	1.39	0.0500	1.000	0	139	42.9	147				
Chloroethane	1.11	0.0600	1.000	0	111	37.1	144				
1,1-Dichloroethene	1.07	0.0500	1.000	0	107	49.7	142				
Methylene chloride	1.03	0.0200	1.000	0	103	46.3	140				
trans-1,2-Dichloroethene	0.988	0.0200	1.000	0	98.9	68	130				
Methyl tert-butyl ether (MTBE)	0.887	0.0500	1.000	0	88.7	59.1	138				
1,1-Dichloroethane	1.03	0.0200	1.000	0	103	61.9	137				
2,2-Dichloropropane	0.840	0.0500	1.000	0	84.0	28.1	149				Q
cis-1,2-Dichloroethene	0.988	0.0200	1.000	0	98.8	71.3	135				
Chloroform	0.993	0.0200	1.000	0	99.3	67.5	129				
1,1,1-Trichloroethane (TCA)	0.953	0.0200	1.000	0	95.3	69	132				
1,1-Dichloropropene	0.976	0.0200	1.000	0	97.6	72.7	131				
Carbon tetrachloride	1.18	0.0200	1.000	0	118	63.4	137				
1,2-Dichloroethane (EDC)	0.958	0.0300	1.000	0	95.8	61.9	136				
Benzene	0.966	0.0200	1.000	0	96.6	64.3	133				
Trichloroethene (TCE)	0.975	0.0200	1.000	0	97.5	65.5	137				
1,2-Dichloropropane	0.972	0.0200	1.000	0	97.2	63.2	142				
Bromodichloromethane	1.03	0.0200	1.000	0	103	73.2	131				
Dibromomethane	0.967	0.0400	1.000	0	96.7	70	130				
cis-1,3-Dichloropropene	0.961	0.0200	1.000	0	96.1	59.1	143				
Toluene	0.985	0.0200	1.000	0	98.5	67.3	138				
trans-1,3-Dichloropropylene	0.935	0.0300	1.000	0	93.5	49.2	149				
1,1,2-Trichloroethane	0.959	0.0300	1.000	0	95.9	74.5	129				
1,3-Dichloropropane	0.940	0.0500	1.000	0	94.0	70	130				
Tetrachloroethene (PCE)	1.02	0.0200	1.000	0	102	52.7	150				
Dibromochloromethane	1.00	0.0300	1.000	0	100	70.6	144				
1,2-Dibromoethane (EDB)	0.949	0.00500	1.000	0	94.9	70	130				

Original

Fremont Analytical

Date: 7/14/2016

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-14232** SampType: **LCS** Units: **µg/L** Prep Date: **7/12/2016** RunNo: **30519**
Client ID: **LCSS** Batch ID: **14232** Analysis Date: **7/12/2016** SeqNo: **576047**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	0.988	0.0200	1.000	0	98.8	76.1	123				
1,1,1,2-Tetrachloroethane	1.02	0.0300	1.000	0	102	65.9	141				
Ethylbenzene	0.992	0.0300	1.000	0	99.2	74	129				
m,p-Xylene	1.99	0.0200	2.000	0	99.7	70	124				
o-Xylene	0.978	0.0200	1.000	0	97.9	72.7	124				
Styrene	0.976	0.0200	1.000	0	97.6	76.8	130				
Isopropylbenzene	0.997	0.0800	1.000	0	99.7	70	130				
Bromoform	1.02	0.0200	1.000	0	102	67	154				
1,1,2,2-Tetrachloroethane	0.910	0.0200	1.000	0	91.0	60	130				
n-Propylbenzene	1.00	0.0200	1.000	0	100	74.8	125				
Bromobenzene	0.980	0.0300	1.000	0	98.0	49.2	144				
1,3,5-Trimethylbenzene	0.994	0.0200	1.000	0	99.4	74.6	123				
2-Chlorotoluene	0.986	0.0200	1.000	0	98.6	76.7	129				
4-Chlorotoluene	0.980	0.0200	1.000	0	98.0	77.5	125				
tert-Butylbenzene	0.994	0.0200	1.000	0	99.4	66.2	130				
1,2,3-Trichloropropane	0.894	0.0200	1.000	0	89.4	67.9	136				
1,2,4-Trichlorobenzene	0.994	0.0500	1.000	0	99.4	62.6	143				
sec-Butylbenzene	1.00	0.0200	1.000	0	100	75.6	133				
4-Isopropyltoluene	0.984	0.0200	1.000	0	98.4	76.8	131				
1,3-Dichlorobenzene	1.03	0.0200	1.000	0	103	72.8	128				
1,4-Dichlorobenzene	1.03	0.0200	1.000	0	103	72.6	126				
n-Butylbenzene	1.06	0.0200	1.000	0	106	65.3	136				
1,2-Dichlorobenzene	1.01	0.0200	1.000	0	101	72.8	126				
1,2-Dibromo-3-chloropropane	0.986	0.500	1.000	0	98.6	61.2	139				
1,2,4-Trimethylbenzene	1.01	0.0200	1.000	0	101	77.5	129				
Hexachlorobutadiene	1.04	0.100	1.000	0	104	42	151				
Naphthalene	0.938	0.0300	1.000	0	93.8	62.3	134				
1,2,3-Trichlorobenzene	0.980	0.0200	1.000	0	98.0	54.8	143				
Surr: Dibromofluoromethane	1.35		1.250		108	56.5	129				
Surr: Toluene-d8	1.19		1.250		95.4	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	63.1	141				

Original

Fremont Analytical

Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	LCS-14232	SampType:	LCS			Units:	µg/L		Prep Date:	7/12/2016		RunNo:	30519	
Client ID:	LCSS	Batch ID:	14232						Analysis Date:	7/12/2016		SeqNo:	576047	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID	MB-14232	SampType:	MBLK			Units:	µg/L		Prep Date:	7/12/2016		RunNo:	30519	
Client ID:	MBLKS	Batch ID:	14232						Analysis Date:	7/13/2016		SeqNo:	576048	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Dichlorodifluoromethane (CFC-12)		ND	0.0600											
Chloromethane		ND	0.0600											
Vinyl chloride		ND	0.00200											
Bromomethane		ND	0.0900											
Trichlorofluoromethane (CFC-11)		ND	0.0500											
Chloroethane		ND	0.0600											
1,1-Dichloroethene		ND	0.0500											
Methylene chloride		ND	0.0200											
trans-1,2-Dichloroethene		ND	0.0200											
Methyl tert-butyl ether (MTBE)		ND	0.0500											
1,1-Dichloroethane		ND	0.0200											
2,2-Dichloropropane		ND	0.0500											Q
cis-1,2-Dichloroethene		ND	0.0200											
Chloroform		ND	0.0200											
1,1,1-Trichloroethane (TCA)		ND	0.0200											
1,1-Dichloropropene		ND	0.0200											
Carbon tetrachloride		ND	0.0200											
1,2-Dichloroethane (EDC)		ND	0.0300											
Benzene		ND	0.0200											
Trichloroethene (TCE)		ND	0.0200											
1,2-Dichloropropane		ND	0.0200											
Bromodichloromethane		ND	0.0200											
Dibromomethane		ND	0.0400											
cis-1,3-Dichloropropene		ND	0.0200											

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Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-14232**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **7/12/2016**	RunNo: **30519**
Client ID: **MBLKS**	Batch ID: **14232**		Analysis Date: **7/13/2016**	SeqNo: **576048**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.500									

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CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-14232**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **7/12/2016**		RunNo: **30519**			
Client ID: **MBLKS**	Batch ID: **14232**					Analysis Date: **7/13/2016**		SeqNo: **576048**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	1.25		1.250		99.9	56.5	129				
Surr: Toluene-d8	1.24		1.250		98.8	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		95.0	63.1	141				

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607099-002BDUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **7/12/2016**		RunNo: **30519**			
Client ID: **BATCH**	Batch ID: **14232**					Analysis Date: **7/13/2016**		SeqNo: **576040**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0399						0		30	
Chloromethane	ND	0.0399						0		30	
Vinyl chloride	ND	0.00133						0		30	
Bromomethane	ND	0.0599						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0333						0		30	
Chloroethane	ND	0.0399						0		30	
1,1-Dichloroethene	ND	0.0333						0		30	
Methylene chloride	ND	0.0133						0		30	
trans-1,2-Dichloroethene	ND	0.0133						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0333						0		30	
1,1-Dichloroethane	ND	0.0133						0		30	
2,2-Dichloropropane	ND	0.0333						0		30	Q
cis-1,2-Dichloroethene	ND	0.0133						0		30	
Chloroform	ND	0.0133						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0133						0		30	
1,1-Dichloropropene	ND	0.0133						0		30	
Carbon tetrachloride	ND	0.0133						0		30	

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Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607099-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/12/2016** RunNo: **30519**
Client ID: **BATCH** Batch ID: **14232** Analysis Date: **7/13/2016** SeqNo: **576040**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	0.0200						0		30	
Benzene	ND	0.0133						0		30	
Trichloroethene (TCE)	ND	0.0133						0		30	
1,2-Dichloropropane	ND	0.0133						0		30	
Bromodichloromethane	ND	0.0133						0		30	
Dibromomethane	ND	0.0266						0		30	
cis-1,3-Dichloropropene	ND	0.0133						0		30	
Toluene	ND	0.0133						0		30	
trans-1,3-Dichloropropylene	ND	0.0200						0		30	
1,1,2-Trichloroethane	ND	0.0200						0		30	
1,3-Dichloropropane	ND	0.0333						0		30	
Tetrachloroethene (PCE)	ND	0.0133						0		30	
Dibromochloromethane	ND	0.0200						0		30	
1,2-Dibromoethane (EDB)	ND	0.00333						0		30	
Chlorobenzene	ND	0.0133						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0200						0		30	
Ethylbenzene	ND	0.0200						0		30	
m,p-Xylene	ND	0.0133						0		30	
o-Xylene	ND	0.0133						0		30	
Styrene	ND	0.0133						0		30	
Isopropylbenzene	ND	0.0532						0		30	
Bromoform	ND	0.0133						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0133						0		30	
n-Propylbenzene	ND	0.0133						0		30	
Bromobenzene	ND	0.0200						0		30	
1,3,5-Trimethylbenzene	ND	0.0133						0		30	
2-Chlorotoluene	ND	0.0133						0		30	
4-Chlorotoluene	ND	0.0133						0		30	
tert-Butylbenzene	ND	0.0133						0		30	
1,2,3-Trichloropropane	ND	0.0133						0		30	
1,2,4-Trichlorobenzene	ND	0.0333						0		30	

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Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607099-002BDUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **7/12/2016**		RunNo: **30519**		
Client ID: **BATCH**	Batch ID: **14232**					Analysis Date: **7/13/2016**		SeqNo: **576040**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	0.0133						0		30	
4-Isopropyltoluene	ND	0.0133						0		30	
1,3-Dichlorobenzene	ND	0.0133						0		30	
1,4-Dichlorobenzene	ND	0.0133						0		30	
n-Butylbenzene	ND	0.0133						0		30	
1,2-Dichlorobenzene	ND	0.0133						0		30	
1,2-Dibromo-3-chloropropane	ND	0.333						0		30	
1,2,4-Trimethylbenzene	ND	0.0133						0		30	
Hexachlorobutadiene	ND	0.0665						0		30	
Naphthalene	ND	0.0200						0		30	
1,2,3-Trichlorobenzene	ND	0.0133						0		30	
Surr: Dibromofluoromethane	0.852		0.8317		102	56.5	129		0		
Surr: Toluene-d8	0.833		0.8317		100	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	0.816		0.8317		98.2	63.1	141		0		

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607053-002BMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **7/12/2016**		RunNo: **30519**		
Client ID: **SB-2-6**	Batch ID: **14232**					Analysis Date: **7/13/2016**		SeqNo: **576027**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.23	0.0629	1.048	0	118	43.5	121				
Chloromethane	0.975	0.0629	1.048	0	93.0	45	130				
Vinyl chloride	1.05	0.00210	1.048	0	101	51.2	146				
Bromomethane	1.07	0.0943	1.048	0	102	21.3	120				
Trichlorofluoromethane (CFC-11)	1.79	0.0524	1.048	0	171	35	131				S
Chloroethane	1.06	0.0629	1.048	0	101	43.8	117				
1,1-Dichloroethene	1.07	0.0524	1.048	0	102	61.9	141				
Methylene chloride	1.00	0.0210	1.048	0	95.9	54.7	142				
trans-1,2-Dichloroethene	0.925	0.0210	1.048	0	88.2	52	136				
Methyl tert-butyl ether (MTBE)	0.887	0.0524	1.048	0	84.6	54.4	132				

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Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607053-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/12/2016** RunNo: **30519**
Client ID: **SB-2-6** Batch ID: **14232** Analysis Date: **7/13/2016** SeqNo: **576027**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	0.996	0.0210	1.048	0	95.0	51.8	141				
2,2-Dichloropropane	0.632	0.0524	1.048	0	60.3	36	123				Q
cis-1,2-Dichloroethene	0.949	0.0210	1.048	0	90.6	58.6	136				
Chloroform	0.939	0.0210	1.048	0.01415	88.2	53.2	129				
1,1,1-Trichloroethane (TCA)	0.924	0.0210	1.048	0	88.2	58.3	145				
1,1-Dichloropropene	0.957	0.0210	1.048	0	91.3	55.1	138				
Carbon tetrachloride	1.04	0.0210	1.048	0	99.5	53.3	144				
1,2-Dichloroethane (EDC)	0.921	0.0314	1.048	0	87.9	51.3	139				
Benzene	0.917	0.0210	1.048	0	87.5	63.5	133				
Trichloroethene (TCE)	0.948	0.0210	1.048	0	90.4	68.6	132				
1,2-Dichloropropane	0.944	0.0210	1.048	0	90.1	59	136				
Bromodichloromethane	0.974	0.0210	1.048	0	92.9	50.7	141				
Dibromomethane	0.955	0.0419	1.048	0	91.2	50.6	137				
cis-1,3-Dichloropropene	0.916	0.0210	1.048	0	87.5	50.4	138				
Toluene	0.961	0.0210	1.048	0	91.7	63.4	132				
trans-1,3-Dichloropropylene	0.923	0.0314	1.048	0	88.1	44.1	147				
1,1,2-Trichloroethane	0.936	0.0314	1.048	0	89.3	51.6	137				
1,3-Dichloropropane	0.941	0.0524	1.048	0	89.8	53.1	134				
Tetrachloroethene (PCE)	0.985	0.0210	1.048	0	94.0	35.6	158				
Dibromochloromethane	0.996	0.0314	1.048	0	95.0	55.3	140				
1,2-Dibromoethane (EDB)	0.950	0.00524	1.048	0	90.7	50.4	136				
Chlorobenzene	0.931	0.0210	1.048	0	88.9	60	133				
1,1,1,2-Tetrachloroethane	0.955	0.0314	1.048	0	91.1	53.1	142				
Ethylbenzene	0.946	0.0314	1.048	0	90.3	54.5	134				
m,p-Xylene	1.90	0.0210	2.096	0	90.4	53.1	132				
o-Xylene	0.967	0.0210	1.048	0	92.3	53.3	139				
Styrene	0.954	0.0210	1.048	0	91.0	51.1	132				
Isopropylbenzene	0.985	0.0838	1.048	0	94.0	58.9	138				
Bromoform	1.00	0.0210	1.048	0	95.9	57.9	130				
1,1,2,2-Tetrachloroethane	0.854	0.0210	1.048	0	81.4	51.9	131				
n-Propylbenzene	0.978	0.0210	1.048	0	93.3	53.6	140				

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Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607053-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/12/2016** RunNo: **30519**
Client ID: **SB-2-6** Batch ID: **14232** Analysis Date: **7/13/2016** SeqNo: **576027**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	0.955	0.0314	1.048	0	91.2	54.2	140				
1,3,5-Trimethylbenzene	0.973	0.0210	1.048	0	92.9	51.8	136				
2-Chlorotoluene	0.953	0.0210	1.048	0	90.9	51.6	136				
4-Chlorotoluene	0.954	0.0210	1.048	0	91.0	50.1	139				
tert-Butylbenzene	1.00	0.0210	1.048	0	95.4	50.5	135				
1,2,3-Trichloropropane	0.922	0.0210	1.048	0	88.0	50.5	131				
1,2,4-Trichlorobenzene	0.985	0.0524	1.048	0	94.0	50.8	130				
sec-Butylbenzene	0.999	0.0210	1.048	0	95.4	52.6	141				
4-Isopropyltoluene	0.988	0.0210	1.048	0	94.2	52.9	134				
1,3-Dichlorobenzene	0.989	0.0210	1.048	0	94.4	52.6	131				
1,4-Dichlorobenzene	0.984	0.0210	1.048	0	93.9	52.9	129				
n-Butylbenzene	1.05	0.0210	1.048	0	100	52.6	130				
1,2-Dichlorobenzene	0.969	0.0210	1.048	0	92.5	55.8	129				
1,2-Dibromo-3-chloropropane	0.995	0.524	1.048	0	95.0	40.5	131				
1,2,4-Trimethylbenzene	0.984	0.0210	1.048	0	93.9	50.6	137				
Hexachlorobutadiene	0.999	0.105	1.048	0	95.4	40.6	158				
Naphthalene	0.990	0.0314	1.048	0	94.5	52.3	124				
1,2,3-Trichlorobenzene	0.947	0.0210	1.048	0	90.4	54.4	124				
Surr: Dibromofluoromethane	1.40		1.310		107	56.5	129				
Surr: Toluene-d8	1.33		1.310		101	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.36		1.310		104	63.1	141				

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607053-002BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/12/2016** RunNo: **30519**
Client ID: **SB-2-6** Batch ID: **14232** Analysis Date: **7/13/2016** SeqNo: **576028**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.22	0.0629	1.048	0	116	43.5	121	1.232	1.33	30	
Chloromethane	0.993	0.0629	1.048	0	94.8	45	130	0.9746	1.92	30	

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Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

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Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607053-002BMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **7/12/2016**		RunNo: **30519**			
Client ID: **SB-2-6**	Batch ID: **14232**					Analysis Date: **7/13/2016**		SeqNo: **576028**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.09	0.00210	1.048	0	104	51.2	146	1.053	3.09	30	
Bromomethane	1.08	0.0943	1.048	0	103	21.3	120	1.072	0.779	30	
Trichlorofluoromethane (CFC-11)	1.99	0.0524	1.048	0	190	35	131	1.791	10.7	30	S
Chloroethane	1.07	0.0629	1.048	0	102	43.8	117	1.056	1.18	30	
1,1-Dichloroethene	1.12	0.0524	1.048	0	106	61.9	141	1.066	4.47	30	
Methylene chloride	1.01	0.0210	1.048	0	96.8	54.7	142	1.005	0.934	30	
trans-1,2-Dichloroethene	0.936	0.0210	1.048	0	89.4	52	136	0.9248	1.24	30	
Methyl tert-butyl ether (MTBE)	0.888	0.0524	1.048	0	84.7	54.4	132	0.8871	0.0590	30	
1,1-Dichloroethane	1.00	0.0210	1.048	0	95.7	51.8	141	0.9956	0.682	30	
2,2-Dichloropropane	0.645	0.0524	1.048	0	61.6	36	123	0.6319	2.05	30	Q
cis-1,2-Dichloroethene	0.941	0.0210	1.048	0	89.8	58.6	136	0.9489	0.832	30	
Chloroform	0.956	0.0210	1.048	0.01415	89.9	53.2	129	0.9390	1.77	30	
1,1,1-Trichloroethane (TCA)	0.973	0.0210	1.048	0	92.9	58.3	145	0.9243	5.14	30	
1,1-Dichloropropene	0.995	0.0210	1.048	0	95.0	55.1	138	0.9568	3.92	30	
Carbon tetrachloride	1.19	0.0210	1.048	0	114	53.3	144	1.043	13.5	30	
1,2-Dichloroethane (EDC)	0.905	0.0314	1.048	0	86.4	51.3	139	0.9212	1.78	30	
Benzene	0.938	0.0210	1.048	0	89.5	63.5	133	0.9170	2.26	30	
Trichloroethene (TCE)	0.979	0.0210	1.048	0	93.4	68.6	132	0.9479	3.21	30	
1,2-Dichloropropane	0.951	0.0210	1.048	0	90.8	59	136	0.9442	0.719	30	
Bromodichloromethane	1.00	0.0210	1.048	0	95.5	50.7	141	0.9736	2.76	30	
Dibromomethane	0.937	0.0419	1.048	0	89.4	50.6	137	0.9552	1.88	30	
cis-1,3-Dichloropropene	0.957	0.0210	1.048	0	91.3	50.4	138	0.9164	4.31	30	
Toluene	0.974	0.0210	1.048	0	92.9	63.4	132	0.9610	1.30	30	
trans-1,3-Dichloropropylene	0.958	0.0314	1.048	0	91.4	44.1	147	0.9227	3.73	30	
1,1,2-Trichloroethane	0.935	0.0314	1.048	0	89.2	51.6	137	0.9358	0.112	30	
1,3-Dichloropropane	0.925	0.0524	1.048	0	88.3	53.1	134	0.9405	1.63	30	
Tetrachloroethene (PCE)	1.02	0.0210	1.048	0	97.0	35.6	158	0.9851	3.14	30	
Dibromochloromethane	0.990	0.0314	1.048	0	94.5	55.3	140	0.9956	0.528	30	
1,2-Dibromoethane (EDB)	0.932	0.00524	1.048	0	88.9	50.4	136	0.9505	2.00	30	
Chlorobenzene	0.954	0.0210	1.048	0	91.1	60	133	0.9311	2.45	30	
1,1,1,2-Tetrachloroethane	0.968	0.0314	1.048	0	92.4	53.1	142	0.9547	1.42	30	

Original

Fremont Analytical

Date: 7/14/2016

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607053-002BMSD**	SampType: **MSD**			Units: **mg/Kg-dry**	Prep Date: **7/12/2016**		RunNo: **30519**			
Client ID: **SB-2-6**	Batch ID: **14232**				Analysis Date: **7/13/2016**		SeqNo: **576028**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	0.967	0.0314	1.048	0	92.2	54.5	134	0.9463	2.14	30	
m,p-Xylene	1.95	0.0210	2.096	0	92.8	53.1	132	1.896	2.56	30	
o-Xylene	0.976	0.0210	1.048	0	93.2	53.3	139	0.9673	0.917	30	
Styrene	0.967	0.0210	1.048	0	92.2	51.1	132	0.9536	1.36	30	
Isopropylbenzene	1.01	0.0838	1.048	0	96.4	58.9	138	0.9851	2.47	30	
Bromoform	1.01	0.0210	1.048	0	96.8	57.9	130	1.004	0.935	30	
1,1,2,2-Tetrachloroethane	0.845	0.0210	1.048	0	80.6	51.9	131	0.8536	0.987	30	
n-Propylbenzene	1.01	0.0210	1.048	0	96.4	53.6	140	0.9777	3.27	30	
Bromobenzene	0.978	0.0314	1.048	0	93.3	54.2	140	0.9552	2.33	30	
1,3,5-Trimethylbenzene	0.993	0.0210	1.048	0	94.8	51.8	136	0.9730	2.03	30	
2-Chlorotoluene	0.982	0.0210	1.048	0	93.7	51.6	136	0.9526	3.03	30	
4-Chlorotoluene	0.980	0.0210	1.048	0	93.5	50.1	139	0.9536	2.71	30	
tert-Butylbenzene	1.03	0.0210	1.048	0	98.6	50.5	135	0.9998	3.25	30	
1,2,3-Trichloropropane	0.903	0.0210	1.048	0	86.2	50.5	131	0.9222	2.12	30	
1,2,4-Trichlorobenzene	0.987	0.0524	1.048	0	94.2	50.8	130	0.9851	0.159	30	
sec-Butylbenzene	1.04	0.0210	1.048	0	99.0	52.6	141	0.9992	3.76	30	
4-Isopropyltoluene	1.01	0.0210	1.048	0	96.7	52.9	134	0.9877	2.51	30	
1,3-Dichlorobenzene	1.00	0.0210	1.048	0	95.5	52.6	131	0.9893	1.16	30	
1,4-Dichlorobenzene	0.999	0.0210	1.048	0	95.3	52.9	129	0.9835	1.53	30	
n-Butylbenzene	1.07	0.0210	1.048	0	102	52.6	130	1.051	2.12	30	
1,2-Dichlorobenzene	0.978	0.0210	1.048	0	93.4	55.8	129	0.9688	0.969	30	
1,2-Dibromo-3-chloropropane	0.998	0.524	1.048	0	95.2	40.5	131	0.9950	0.263	30	
1,2,4-Trimethylbenzene	0.999	0.0210	1.048	0	95.3	50.6	137	0.9835	1.53	30	
Hexachlorobutadiene	1.02	0.105	1.048	0	97.1	40.6	158	0.9992	1.82	30	
Naphthalene	0.975	0.0314	1.048	0	93.1	52.3	124	0.9903	1.55	30	
1,2,3-Trichlorobenzene	0.949	0.0210	1.048	0	90.6	54.4	124	0.9468	0.221	30	
Surr: Dibromofluoromethane	1.40		1.310		107	56.5	129		0		
Surr: Toluene-d8	1.32		1.310		101	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.38		1.310		106	63.1	141		0		

Fremont Analytical

Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607053-002BMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **7/12/2016**		RunNo: **30519**				
Client ID: **SB-2-6**	Batch ID: **14232**					Analysis Date: **7/13/2016**		SeqNo: **576028**				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Fremont Analytical

Date: *7/14/2016*

Work Order: 1607053
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1607053-001ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **7/11/2016**		RunNo: **30464**				
Client ID: **SB-1a-8**	Batch ID: **R30464**					Analysis Date: **7/11/2016**		SeqNo: **574824**				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Percent Moisture	9.03	0.500						9.511	5.18	20		

Fremont Analytical

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1607053**
Logged by:	**Erica Silva**	Date Received:	**7/7/2016 4:51:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☑	NA ☐
	Samples received at appropriate temperature			
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	11.4
Sample	2.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical

Chain of Custody Record and Laboratory Services Agreement

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 7/7/16 Laboratory Project No (internal): 1607053

Page: 1 of: 1

Client: PES Environmental, Inc.
Address: 1215 4th Ave. Suite 1350
City, State, Zip: Seattle WA 98161
Telephone: (206) 329-3980 Fax: (206) 329-3985

Project Name: Lake Stevens, WA @ Marketplace
Project No: 1246.038.03.001 Collected by: CJD
Location: Lake Stevens, WA
Report To (PM): Brian O'Neal
PM Email: boneal@pesenv.com

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 SB-1a-8 (Ed)	7/7/16	1030	S	X												
2 SB-2-6	7/7/16	1110	S	X												
3 SB-3-7	7/7/16	1200	S	X												
4 SB-4-7	7/7/16	1245	S	X												
5 SB-5-8	7/7/16	1320	S	X												
6																
7																
8																
9																
10																

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Alvin DeBoer	7/7/16 4:48	x M. Ely	7/7 1651
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day (STD)

^Please coordinate with the lab in advance

Distribution: White - Lab, Yellow - File, Pink - Originator

www.fremontanalytical.com

Fremont Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Lake Stevens Marketplace
Lab ID: 1607216

July 28, 2016

Attention Brian O'Neal:

Fremont Analytical, Inc. received 3 sample(s) on 7/21/2016 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward
Project Manager

Fremont Analytical

Date: *07/28/2016*

CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab Order: 1607216

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1607216-001	MW-5-7.5	07/20/2016 10:10 AM	07/21/2016 2:26 PM
1607216-002	MW-6-5	07/21/2016 8:40 AM	07/21/2016 2:26 PM
1607216-003	MW-7-5	07/21/2016 11:00 AM	07/21/2016 2:26 PM

CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: PES Environmental, Inc.
Collection Date: 7/20/2016 10:10:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607216-001
Matrix: Soil
Client Sample ID: MW-5-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14376		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	0.0803		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Chloromethane	ND	0.0803		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Vinyl chloride	ND	0.00268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Bromomethane	ND	0.120		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Trichlorofluoromethane (CFC-11)	ND	0.0669		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Chloroethane	ND	0.0803		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,1-Dichloroethene	ND	0.0669		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Methylene chloride	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
trans-1,2-Dichloroethene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Methyl tert-butyl ether (MTBE)	ND	0.0669		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,1-Dichloroethane	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
2,2-Dichloropropane	ND	0.0669	Q	mg/Kg-dry	1	7/27/2016 6:47:11 PM
cis-1,2-Dichloroethene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Chloroform	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,1,1-Trichloroethane (TCA)	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,1-Dichloropropene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Carbon tetrachloride	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2-Dichloroethane (EDC)	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Benzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Trichloroethene (TCE)	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2-Dichloropropane	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Bromodichloromethane	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Dibromomethane	ND	0.0535		mg/Kg-dry	1	7/27/2016 6:47:11 PM
cis-1,3-Dichloropropene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Toluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
trans-1,3-Dichloropropylene	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,1,2-Trichloroethane	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,3-Dichloropropane	ND	0.0669		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Tetrachloroethene (PCE)	0.681	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Dibromochloromethane	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2-Dibromoethane (EDB)	ND	0.00669		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Chlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,1,1,2-Tetrachloroethane	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Ethylbenzene	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
m,p-Xylene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
o-Xylene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Styrene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Isopropylbenzene	ND	0.107		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Bromoform	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM

Client: PES Environmental, Inc.
Collection Date: 7/20/2016 10:10:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607216-001
Matrix: Soil
Client Sample ID: MW-5-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14376		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
n-Propylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Bromobenzene	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,3,5-Trimethylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
2-Chlorotoluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
4-Chlorotoluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
tert-Butylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2,3-Trichloropropane	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2,4-Trichlorobenzene	ND	0.0669		mg/Kg-dry	1	7/27/2016 6:47:11 PM
sec-Butylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
4-Isopropyltoluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,3-Dichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,4-Dichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
n-Butylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2-Dichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2-Dibromo-3-chloropropane	ND	0.669		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2,4-Trimethylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Hexachlorobutadiene	ND	0.134		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Naphthalene	ND	0.0401		mg/Kg-dry	1	7/27/2016 6:47:11 PM
1,2,3-Trichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 6:47:11 PM
Surr: Dibromofluoromethane	102	56.5-129		%Rec	1	7/27/2016 6:47:11 PM
Surr: Toluene-d8	103	64.3-131		%Rec	1	7/27/2016 6:47:11 PM
Surr: 1-Bromo-4-fluorobenzene	95.5	63.1-141		%Rec	1	7/27/2016 6:47:11 PM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Moisture (Percent Moisture)				Batch ID: R30721		Analyst: ME
Percent Moisture	11.9	0.500		wt%	1	7/22/2016 9:11:26 AM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607216-002
Client Sample ID: **MW-6-5**

Collection Date: 7/21/2016 8:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14376		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	0.0705		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Chloromethane	ND	0.0705		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Vinyl chloride	ND	0.00235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Bromomethane	ND	0.106		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Trichlorofluoromethane (CFC-11)	ND	0.0588		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Chloroethane	ND	0.0705		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,1-Dichloroethene	ND	0.0588		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Methylene chloride	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
trans-1,2-Dichloroethene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Methyl tert-butyl ether (MTBE)	ND	0.0588		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,1-Dichloroethane	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
2,2-Dichloropropane	ND	0.0588	Q	mg/Kg-dry	1	7/27/2016 7:16:48 PM
cis-1,2-Dichloroethene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Chloroform	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,1,1-Trichloroethane (TCA)	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,1-Dichloropropene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Carbon tetrachloride	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2-Dichloroethane (EDC)	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Benzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Trichloroethene (TCE)	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2-Dichloropropane	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Bromodichloromethane	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Dibromomethane	ND	0.0470		mg/Kg-dry	1	7/27/2016 7:16:48 PM
cis-1,3-Dichloropropene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Toluene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
trans-1,3-Dichloropropylene	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,1,2-Trichloroethane	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,3-Dichloropropane	ND	0.0588		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Tetrachloroethene (PCE)	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Dibromochloromethane	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2-Dibromoethane (EDB)	ND	0.00588		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Chlorobenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,1,1,2-Tetrachloroethane	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Ethylbenzene	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
m,p-Xylene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
o-Xylene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Styrene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Isopropylbenzene	ND	0.0940		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Bromoform	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM

Client: PES Environmental, Inc.
Collection Date: 7/21/2016 8:40:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607216-002
Matrix: Soil
Client Sample ID: MW-6-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14376		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
n-Propylbenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Bromobenzene	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,3,5-Trimethylbenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
2-Chlorotoluene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
4-Chlorotoluene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
tert-Butylbenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2,3-Trichloropropane	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2,4-Trichlorobenzene	ND	0.0588		mg/Kg-dry	1	7/27/2016 7:16:48 PM
sec-Butylbenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
4-Isopropyltoluene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,3-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,4-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
n-Butylbenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2-Dibromo-3-chloropropane	ND	0.588		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2,4-Trimethylbenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Hexachlorobutadiene	ND	0.118		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Naphthalene	ND	0.0353		mg/Kg-dry	1	7/27/2016 7:16:48 PM
1,2,3-Trichlorobenzene	ND	0.0235		mg/Kg-dry	1	7/27/2016 7:16:48 PM
Surr: Dibromofluoromethane	103	56.5-129		%Rec	1	7/27/2016 7:16:48 PM
Surr: Toluene-d8	98.6	64.3-131		%Rec	1	7/27/2016 7:16:48 PM
Surr: 1-Bromo-4-fluorobenzene	100	63.1-141		%Rec	1	7/27/2016 7:16:48 PM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Moisture (Percent Moisture)				Batch ID: R30721		Analyst: ME
Percent Moisture	11.9	0.500		wt%	1	7/22/2016 9:11:26 AM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607216-003
Client Sample ID: **MW-7-5**

Collection Date: 7/21/2016 11:00:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260C Batch ID: 14376 Analyst: NG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0804		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Chloromethane	ND	0.0804		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Vinyl chloride	ND	0.00268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Bromomethane	ND	0.121		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Trichlorofluoromethane (CFC-11)	ND	0.0670		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Chloroethane	ND	0.0804		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,1-Dichloroethene	ND	0.0670		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Methylene chloride	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
trans-1,2-Dichloroethene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Methyl tert-butyl ether (MTBE)	ND	0.0670		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,1-Dichloroethane	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
2,2-Dichloropropane	ND	0.0670	Q	mg/Kg-dry	1	7/27/2016 7:46:20 PM
cis-1,2-Dichloroethene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Chloroform	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,1,1-Trichloroethane (TCA)	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,1-Dichloropropene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Carbon tetrachloride	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2-Dichloroethane (EDC)	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Benzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Trichloroethene (TCE)	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2-Dichloropropane	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Bromodichloromethane	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Dibromomethane	ND	0.0536		mg/Kg-dry	1	7/27/2016 7:46:20 PM
cis-1,3-Dichloropropene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Toluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
trans-1,3-Dichloropropylene	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,1,2-Trichloroethane	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,3-Dichloropropane	ND	0.0670		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Tetrachloroethene (PCE)	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Dibromochloromethane	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2-Dibromoethane (EDB)	ND	0.00670		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Chlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,1,1,2-Tetrachloroethane	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Ethylbenzene	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
m,p-Xylene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
o-Xylene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Styrene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Isopropylbenzene	ND	0.107		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Bromoform	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607216-003
Client Sample ID: **MW-7-5**

Collection Date: 7/21/2016 11:00:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14376		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
n-Propylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Bromobenzene	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,3,5-Trimethylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
2-Chlorotoluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
4-Chlorotoluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
tert-Butylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2,3-Trichloropropane	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2,4-Trichlorobenzene	ND	0.0670		mg/Kg-dry	1	7/27/2016 7:46:20 PM
sec-Butylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
4-Isopropyltoluene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,3-Dichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,4-Dichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
n-Butylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2-Dichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2-Dibromo-3-chloropropane	ND	0.670		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2,4-Trimethylbenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Hexachlorobutadiene	ND	0.134		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Naphthalene	ND	0.0402		mg/Kg-dry	1	7/27/2016 7:46:20 PM
1,2,3-Trichlorobenzene	ND	0.0268		mg/Kg-dry	1	7/27/2016 7:46:20 PM
Surr: Dibromofluoromethane	101	56.5-129		%Rec	1	7/27/2016 7:46:20 PM
Surr: Toluene-d8	99.0	64.3-131		%Rec	1	7/27/2016 7:46:20 PM
Surr: 1-Bromo-4-fluorobenzene	98.3	63.1-141		%Rec	1	7/27/2016 7:46:20 PM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample Moisture (Percent Moisture)				Batch ID: R30721		Analyst: ME
Percent Moisture	8.80	0.500		wt%	1	7/22/2016 9:11:26 AM

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-14376**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **7/27/2016**		RunNo: **30845**		
Client ID: **LCSS**	Batch ID: **14376**					Analysis Date: **7/27/2016**		SeqNo: **582254**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.94	0.0600	1.000	0	194	34.5	141				S
Chloromethane	1.33	0.0600	1.000	0	133	38.8	132				S
Vinyl chloride	1.31	0.00200	1.000	0	131	44	142				
Bromomethane	1.49	0.0900	1.000	0	149	40.9	157				
Trichlorofluoromethane (CFC-11)	1.73	0.0500	1.000	0	173	42.9	147				S
Chloroethane	1.42	0.0600	1.000	0	142	37.1	144				
1,1-Dichloroethene	1.16	0.0500	1.000	0	116	49.7	142				
Methylene chloride	1.11	0.0200	1.000	0	111	46.3	140				
trans-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	68	130				
Methyl tert-butyl ether (MTBE)	0.846	0.0500	1.000	0	84.6	59.1	138				
1,1-Dichloroethane	1.08	0.0200	1.000	0	108	61.9	137				
2,2-Dichloropropane	1.04	0.0500	1.000	0	104	28.1	149				Q
cis-1,2-Dichloroethene	1.03	0.0200	1.000	0	103	71.3	135				
Chloroform	1.03	0.0200	1.000	0	103	67.5	129				
1,1,1-Trichloroethane (TCA)	0.961	0.0200	1.000	0	96.1	69	132				
1,1-Dichloropropene	1.03	0.0200	1.000	0	103	72.7	131				
Carbon tetrachloride	1.01	0.0200	1.000	0	101	63.4	137				
1,2-Dichloroethane (EDC)	0.956	0.0300	1.000	0	95.6	61.9	136				
Benzene	1.01	0.0200	1.000	0	101	64.3	133				
Trichloroethene (TCE)	0.990	0.0200	1.000	0	99.0	65.5	137				
1,2-Dichloropropane	0.982	0.0200	1.000	0	98.2	63.2	142				
Bromodichloromethane	1.02	0.0200	1.000	0	102	73.2	131				
Dibromomethane	0.960	0.0400	1.000	0	96.0	70	130				
cis-1,3-Dichloropropene	0.968	0.0200	1.000	0	96.8	59.1	143				
Toluene	1.03	0.0200	1.000	0	103	67.3	138				
trans-1,3-Dichloropropylene	0.911	0.0300	1.000	0	91.1	49.2	149				
1,1,2-Trichloroethane	0.961	0.0300	1.000	0	96.1	74.5	129				
1,3-Dichloropropane	0.954	0.0500	1.000	0	95.4	70	130				
Tetrachloroethene (PCE)	1.06	0.0200	1.000	0	106	52.7	150				
Dibromochloromethane	1.03	0.0300	1.000	0	103	70.6	144				
1,2-Dibromoethane (EDB)	0.948	0.00500	1.000	0	94.8	70	130				

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-14376**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **7/27/2016**		RunNo: **30845**			
Client ID: **LCSS**	Batch ID: **14376**					Analysis Date: **7/27/2016**		SeqNo: **582254**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	1.01	0.0200	1.000	0	101	76.1	123				
1,1,1,2-Tetrachloroethane	0.992	0.0300	1.000	0	99.2	65.9	141				
Ethylbenzene	1.01	0.0300	1.000	0	101	74	129				
m,p-Xylene	2.07	0.0200	2.000	0	103	70	124				
o-Xylene	1.02	0.0200	1.000	0	102	72.7	124				
Styrene	1.01	0.0200	1.000	0	101	76.8	130				
Isopropylbenzene	1.04	0.0800	1.000	0	104	70	130				
Bromoform	0.988	0.0200	1.000	0	98.8	67	154				
1,1,2,2-Tetrachloroethane	0.946	0.0200	1.000	0	94.6	60	130				
n-Propylbenzene	1.09	0.0200	1.000	0	109	74.8	125				
Bromobenzene	1.01	0.0300	1.000	0	101	49.2	144				
1,3,5-Trimethylbenzene	1.04	0.0200	1.000	0	104	74.6	123				
2-Chlorotoluene	1.04	0.0200	1.000	0	104	76.7	129				
4-Chlorotoluene	1.05	0.0200	1.000	0	105	77.5	125				
tert-Butylbenzene	1.07	0.0200	1.000	0	107	66.2	130				
1,2,3-Trichloropropane	0.887	0.0200	1.000	0	88.7	67.9	136				
1,2,4-Trichlorobenzene	0.967	0.0500	1.000	0	96.7	62.6	143				
sec-Butylbenzene	1.09	0.0200	1.000	0	109	75.6	133				
4-Isopropyltoluene	1.06	0.0200	1.000	0	106	76.8	131				
1,3-Dichlorobenzene	1.04	0.0200	1.000	0	104	72.8	128				
1,4-Dichlorobenzene	1.05	0.0200	1.000	0	105	72.6	126				
n-Butylbenzene	1.10	0.0200	1.000	0	110	65.3	136				
1,2-Dichlorobenzene	1.01	0.0200	1.000	0	101	72.8	126				
1,2-Dibromo-3-chloropropane	0.832	0.500	1.000	0	83.2	61.2	139				
1,2,4-Trimethylbenzene	1.04	0.0200	1.000	0	104	77.5	129				
Hexachlorobutadiene	1.07	0.100	1.000	0	107	42	151				
Naphthalene	0.834	0.0300	1.000	0	83.4	62.3	134				
1,2,3-Trichlorobenzene	0.938	0.0200	1.000	0	93.8	54.8	143				
Surr: Dibromofluoromethane	1.34		1.250		108	56.5	129				
Surr: Toluene-d8	1.23		1.250		98.6	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	63.1	141				

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	**LCS-14376**	SampType: **LCS**		Units: **mg/Kg**	Prep Date: **7/27/2016**	RunNo: **30845**
Client ID:	**LCSS**	Batch ID: **14376**			Analysis Date: **7/27/2016**	SeqNo: **582254**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect for this analyte; no further action required.
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID	**MB-14376**	SampType: **MBLK**		Units: **mg/Kg**	Prep Date: **7/27/2016**	RunNo: **30845**
Client ID:	**MBLKS**	Batch ID: **14376**			Analysis Date: **7/27/2016**	SeqNo: **582255**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0500									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									Q
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	MB-14376	SampType:	MBLK			Units:	mg/Kg	Prep Date:	7/27/2016		RunNo:	30845	
Client ID:	MBLKS	Batch ID:	14376					Analysis Date:	7/27/2016		SeqNo:	582255	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
cis-1,3-Dichloropropene	ND	0.0200											
Toluene	ND	0.0200											
trans-1,3-Dichloropropylene	ND	0.0300											
1,1,2-Trichloroethane	ND	0.0300											
1,3-Dichloropropane	ND	0.0500											
Tetrachloroethene (PCE)	ND	0.0200											
Dibromochloromethane	ND	0.0300											
1,2-Dibromoethane (EDB)	ND	0.00500											
Chlorobenzene	ND	0.0200											
1,1,1,2-Tetrachloroethane	ND	0.0300											
Ethylbenzene	ND	0.0300											
m,p-Xylene	ND	0.0200											
o-Xylene	ND	0.0200											
Styrene	ND	0.0200											
Isopropylbenzene	ND	0.0800											
Bromoform	ND	0.0200											
1,1,2,2-Tetrachloroethane	ND	0.0200											
n-Propylbenzene	ND	0.0200											
Bromobenzene	ND	0.0300											
1,3,5-Trimethylbenzene	ND	0.0200											
2-Chlorotoluene	ND	0.0200											
4-Chlorotoluene	ND	0.0200											
tert-Butylbenzene	ND	0.0200											
1,2,3-Trichloropropane	ND	0.0200											
1,2,4-Trichlorobenzene	ND	0.0500											
sec-Butylbenzene	ND	0.0200											
4-Isopropyltoluene	ND	0.0200											
1,3-Dichlorobenzene	ND	0.0200											
1,4-Dichlorobenzene	ND	0.0200											
n-Butylbenzene	ND	0.0200											
1,2-Dichlorobenzene	ND	0.0200											

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-14376**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **7/27/2016**		RunNo: **30845**			
Client ID: **MBLKS**	Batch ID: **14376**					Analysis Date: **7/27/2016**		SeqNo: **582255**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachlorobutadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	1.22		1.250		97.2	56.5	129				
Surr: Toluene-d8	1.27		1.250		101	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.15		1.250		92.4	63.1	141				

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607216-003BMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **7/27/2016**		RunNo: **30845**			
Client ID: **MW-7-5**	Batch ID: **14376**					Analysis Date: **7/27/2016**		SeqNo: **582243**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	2.00	0.0804	1.340	0	149	43.5	121				S
Chloromethane	1.56	0.0804	1.340	0	117	45	130				
Vinyl chloride	1.55	0.00268	1.340	0	116	51.2	146				
Bromomethane	1.82	0.121	1.340	0	135	21.3	120				S
Trichlorofluoromethane (CFC-11)	2.23	0.0670	1.340	0	166	35	131				S
Chloroethane	1.82	0.0804	1.340	0	136	43.8	117				S
1,1-Dichloroethene	1.39	0.0670	1.340	0	104	61.9	141				
Methylene chloride	1.43	0.0268	1.340	0	107	54.7	142				
trans-1,2-Dichloroethene	1.27	0.0268	1.340	0	94.7	52	136				
Methyl tert-butyl ether (MTBE)	1.22	0.0670	1.340	0	91.2	54.4	132				
1,1-Dichloroethane	1.35	0.0268	1.340	0	101	51.8	141				
2,2-Dichloropropane	0.988	0.0670	1.340	0	73.7	36	123				Q
cis-1,2-Dichloroethene	1.31	0.0268	1.340	0	98.0	58.6	136				
Chloroform	1.34	0.0268	1.340	0	100	53.2	129				
1,1,1-Trichloroethane (TCA)	1.16	0.0268	1.340	0	86.6	58.3	145				
1,1-Dichloropropene	1.28	0.0268	1.340	0	95.8	55.1	138				

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	1607216-003BMS	SampType:	MS			Units:	mg/Kg-dry	Prep Date:	7/27/2016		RunNo:	30845	
Client ID:	MW-7-5	Batch ID:	14376					Analysis Date:	7/27/2016		SeqNo:	582243	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Carbon tetrachloride		1.29	0.0268	1.340	0	95.9	53.3	144					
1,2-Dichloroethane (EDC)		1.32	0.0402	1.340	0	98.8	51.3	139					
Benzene		1.27	0.0268	1.340	0	94.4	63.5	133					
Trichloroethene (TCE)		1.25	0.0268	1.340	0	92.9	68.6	132					
1,2-Dichloropropane		1.29	0.0268	1.340	0	95.9	59	136					
Bromodichloromethane		1.33	0.0268	1.340	0	98.9	50.7	141					
Dibromomethane		1.35	0.0536	1.340	0	100	50.6	137					
cis-1,3-Dichloropropene		1.22	0.0268	1.340	0	91.3	50.4	138					
Toluene		1.24	0.0268	1.340	0	92.2	63.4	132					
trans-1,3-Dichloropropylene		1.18	0.0402	1.340	0	87.9	44.1	147					
1,1,2-Trichloroethane		1.37	0.0402	1.340	0	102	51.6	137					
1,3-Dichloropropane		1.34	0.0670	1.340	0	100	53.1	134					
Tetrachloroethene (PCE)		1.29	0.0268	1.340	0	96.3	35.6	158					
Dibromochloromethane		1.37	0.0402	1.340	0	102	55.3	140					
1,2-Dibromoethane (EDB)		1.34	0.00670	1.340	0	100	50.4	136					
Chlorobenzene		1.30	0.0268	1.340	0	96.8	60	133					
1,1,1,2-Tetrachloroethane		1.27	0.0402	1.340	0	95.0	53.1	142					
Ethylbenzene		1.26	0.0402	1.340	0	94.3	54.5	134					
m,p-Xylene		2.58	0.0268	2.681	0	96.1	53.1	132					
o-Xylene		1.28	0.0268	1.340	0	95.7	53.3	139					
Styrene		1.30	0.0268	1.340	0	97.2	51.1	132					
Isopropylbenzene		1.29	0.107	1.340	0	96.2	58.9	138					
Bromoform		1.36	0.0268	1.340	0	101	57.9	130					
1,1,2,2-Tetrachloroethane		1.37	0.0268	1.340	0	102	51.9	131					
n-Propylbenzene		1.33	0.0268	1.340	0	99.5	53.6	140					
Bromobenzene		1.32	0.0402	1.340	0	98.5	54.2	140					
1,3,5-Trimethylbenzene		1.32	0.0268	1.340	0	98.2	51.8	136					
2-Chlorotoluene		1.33	0.0268	1.340	0	98.9	51.6	136					
4-Chlorotoluene		1.34	0.0268	1.340	0	99.8	50.1	139					
tert-Butylbenzene		1.32	0.0268	1.340	0	98.8	50.5	135					
1,2,3-Trichloropropane		1.31	0.0268	1.340	0	98.1	50.5	131					

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607216-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/27/2016** RunNo: **30845**
Client ID: **MW-7-5** Batch ID: **14376** Analysis Date: **7/27/2016** SeqNo: **582243**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.20	0.0670	1.340	0	89.6	50.8	130				
sec-Butylbenzene	1.34	0.0268	1.340	0	100	52.6	141				
4-Isopropyltoluene	1.31	0.0268	1.340	0	97.5	52.9	134				
1,3-Dichlorobenzene	1.30	0.0268	1.340	0	97.0	52.6	131				
1,4-Dichlorobenzene	1.32	0.0268	1.340	0	98.3	52.9	129				
n-Butylbenzene	1.30	0.0268	1.340	0	97.2	52.6	130				
1,2-Dichlorobenzene	1.31	0.0268	1.340	0	97.5	55.8	129				
1,2-Dibromo-3-chloropropane	1.21	0.670	1.340	0	90.6	40.5	131				
1,2,4-Trimethylbenzene	1.31	0.0268	1.340	0	97.8	50.6	137				
Hexachlorobutadiene	1.24	0.134	1.340	0	92.3	40.6	158				
Naphthalene	1.19	0.0402	1.340	0	88.8	52.3	124				
1,2,3-Trichlorobenzene	1.24	0.0268	1.340	0	92.7	54.4	124				
Surr: Dibromofluoromethane	1.81		1.675		108	56.5	129				
Surr: Toluene-d8	1.66		1.675		99.3	64.3	131				
Surr: 1-Bromo-4-fluorobenzene	1.74		1.675		104	63.1	141				

NOTES:
S - Outlying QC recoveries were associated with this sample. The method is in control as indicated by the LCS.
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607216-003BMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/27/2016** RunNo: **30845**
Client ID: **MW-7-5** Batch ID: **14376** Analysis Date: **7/27/2016** SeqNo: **582244**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	2.04	0.0804	1.340	0	152	43.5	121	2.004	1.69	30	S
Chloromethane	1.62	0.0804	1.340	0	121	45	130	1.562	3.46	30	
Vinyl chloride	1.60	0.00268	1.340	0	120	51.2	146	1.549	3.53	30	
Bromomethane	1.81	0.121	1.340	0	135	21.3	120	1.816	0.0738	30	S
Trichlorofluoromethane (CFC-11)	2.30	0.0670	1.340	0	171	35	131	2.229	2.93	30	S
Chloroethane	1.87	0.0804	1.340	0	140	43.8	117	1.824	2.57	30	S
1,1-Dichloroethene	1.47	0.0670	1.340	0	109	61.9	141	1.393	5.20	30	
Methylene chloride	1.49	0.0268	1.340	0	111	54.7	142	1.428	4.41	30	

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607216-003BMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **7/27/2016**		RunNo: **30845**		
Client ID: **MW-7-5**	Batch ID: **14376**					Analysis Date: **7/27/2016**		SeqNo: **582244**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	1.35	0.0268	1.340	0	101	52	136	1.269	6.49	30	
Methyl tert-butyl ether (MTBE)	1.30	0.0670	1.340	0	96.6	54.4	132	1.223	5.75	30	
1,1-Dichloroethane	1.40	0.0268	1.340	0	105	51.8	141	1.352	3.84	30	
2,2-Dichloropropane	1.06	0.0670	1.340	0	79.3	36	123	0.9879	7.32	30	Q
cis-1,2-Dichloroethene	1.35	0.0268	1.340	0	101	58.6	136	1.314	2.82	30	
Chloroform	1.39	0.0268	1.340	0	103	53.2	129	1.342	3.24	30	
1,1,1-Trichloroethane (TCA)	1.25	0.0268	1.340	0	93.2	58.3	145	1.161	7.40	30	
1,1-Dichloropropene	1.33	0.0268	1.340	0	99.3	55.1	138	1.285	3.59	30	
Carbon tetrachloride	1.42	0.0268	1.340	0	106	53.3	144	1.286	9.95	30	
1,2-Dichloroethane (EDC)	1.38	0.0402	1.340	0	103	51.3	139	1.324	3.92	30	
Benzene	1.33	0.0268	1.340	0	99.1	63.5	133	1.266	4.86	30	
Trichloroethene (TCE)	1.31	0.0268	1.340	0	97.5	68.6	132	1.245	4.83	30	
1,2-Dichloropropane	1.34	0.0268	1.340	0	99.8	59	136	1.285	4.04	30	
Bromodichloromethane	1.40	0.0268	1.340	0	104	50.7	141	1.326	5.36	30	
Dibromomethane	1.40	0.0536	1.340	0	104	50.6	137	1.347	3.57	30	
cis-1,3-Dichloropropene	1.29	0.0268	1.340	0	96.3	50.4	138	1.224	5.38	30	
Toluene	1.35	0.0268	1.340	0	101	63.4	132	1.236	8.71	30	
trans-1,3-Dichloropropylene	1.27	0.0402	1.340	0	94.5	44.1	147	1.179	7.18	30	
1,1,2-Trichloroethane	1.42	0.0402	1.340	0	106	51.6	137	1.369	3.93	30	
1,3-Dichloropropane	1.40	0.0670	1.340	0	105	53.1	134	1.344	4.20	30	
Tetrachloroethene (PCE)	1.30	0.0268	1.340	0	97.3	35.6	158	1.291	1.08	30	
Dibromochloromethane	1.43	0.0402	1.340	0	106	55.3	140	1.365	4.37	30	
1,2-Dibromoethane (EDB)	1.41	0.00670	1.340	0	105	50.4	136	1.344	4.72	30	
Chlorobenzene	1.34	0.0268	1.340	0	100	60	133	1.298	3.40	30	
1,1,1,2-Tetrachloroethane	1.35	0.0402	1.340	0	100	53.1	142	1.273	5.53	30	
Ethylbenzene	1.31	0.0402	1.340	0	97.6	54.5	134	1.264	3.44	30	
m,p-Xylene	2.70	0.0268	2.681	0	101	53.1	132	2.578	4.55	30	
o-Xylene	1.33	0.0268	1.340	0	99.1	53.3	139	1.283	3.49	30	
Styrene	1.35	0.0268	1.340	0	101	51.1	132	1.303	3.44	30	
Isopropylbenzene	1.34	0.107	1.340	0	100	58.9	138	1.289	3.97	30	
Bromoform	1.43	0.0268	1.340	0	106	57.9	130	1.360	4.86	30	

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607216-003BMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **7/27/2016**		RunNo: **30845**		
Client ID: **MW-7-5**	Batch ID: **14376**					Analysis Date: **7/27/2016**		SeqNo: **582244**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	1.44	0.0268	1.340	0	107	51.9	131	1.373	4.58	30	
n-Propylbenzene	1.38	0.0268	1.340	0	103	53.6	140	1.334	3.26	30	
Bromobenzene	1.38	0.0402	1.340	0	103	54.2	140	1.321	4.42	30	
1,3,5-Trimethylbenzene	1.36	0.0268	1.340	0	101	51.8	136	1.316	2.96	30	
2-Chlorotoluene	1.37	0.0268	1.340	0	102	51.6	136	1.326	3.48	30	
4-Chlorotoluene	1.39	0.0268	1.340	0	103	50.1	139	1.338	3.44	30	
tert-Butylbenzene	1.37	0.0268	1.340	0	102	50.5	135	1.324	3.29	30	
1,2,3-Trichloropropane	1.30	0.0268	1.340	0	97.0	50.5	131	1.315	1.08	30	
1,2,4-Trichlorobenzene	1.26	0.0670	1.340	0	94.0	50.8	130	1.201	4.79	30	
sec-Butylbenzene	1.39	0.0268	1.340	0	103	52.6	141	1.341	3.39	30	
4-Isopropyltoluene	1.35	0.0268	1.340	0	101	52.9	134	1.308	3.43	30	
1,3-Dichlorobenzene	1.35	0.0268	1.340	0	100	52.6	131	1.300	3.44	30	
1,4-Dichlorobenzene	1.37	0.0268	1.340	0	102	52.9	129	1.318	3.55	30	
n-Butylbenzene	1.35	0.0268	1.340	0	101	52.6	130	1.304	3.44	30	
1,2-Dichlorobenzene	1.35	0.0268	1.340	0	101	55.8	129	1.308	3.43	30	
1,2-Dibromo-3-chloropropane	1.30	0.670	1.340	0	96.7	40.5	131	1.214	6.51	30	
1,2,4-Trimethylbenzene	1.36	0.0268	1.340	0	101	50.6	137	1.312	3.27	30	
Hexachlorobutadiene	1.28	0.134	1.340	0	95.3	40.6	158	1.238	3.14	30	
Naphthalene	1.28	0.0402	1.340	0	95.2	52.3	124	1.190	6.96	30	
1,2,3-Trichlorobenzene	1.30	0.0268	1.340	0	96.7	54.4	124	1.243	4.17	30	
Surr: Dibromofluoromethane	1.82		1.675		109	56.5	129		0		
Surr: Toluene-d8	1.66		1.675		99.1	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.73		1.675		103	63.1	141		0		

NOTES:

S - Outlying QC recoveries were associated with this sample. The method is in control as indicated by the LCS.

Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607237-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/27/2016** RunNo: **30845**
Client ID: **BATCH** Batch ID: **14376** Analysis Date: **7/28/2016** SeqNo: **582246**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0689						0		30	
Chloromethane	ND	0.0689						0		30	
Vinyl chloride	ND	0.00230						0		30	
Bromomethane	ND	0.103						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0574						0		30	
Chloroethane	ND	0.0689						0		30	
1,1-Dichloroethene	ND	0.0574						0		30	
Methylene chloride	ND	0.0230						0		30	
trans-1,2-Dichloroethene	ND	0.0230						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0574						0		30	
1,1-Dichloroethane	ND	0.0230						0		30	
2,2-Dichloropropane	ND	0.0574						0		30	Q
cis-1,2-Dichloroethene	ND	0.0230						0		30	
Chloroform	ND	0.0230						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0230						0		30	
1,1-Dichloropropene	ND	0.0230						0		30	
Carbon tetrachloride	ND	0.0230						0		30	
1,2-Dichloroethane (EDC)	ND	0.0344						0		30	
Benzene	ND	0.0230						0		30	
Trichloroethene (TCE)	ND	0.0230						0		30	
1,2-Dichloropropane	ND	0.0230						0		30	
Bromodichloromethane	ND	0.0230						0		30	
Dibromomethane	ND	0.0459						0		30	
cis-1,3-Dichloropropene	ND	0.0230						0		30	
Toluene	ND	0.0230						0		30	
trans-1,3-Dichloropropylene	ND	0.0344						0		30	
1,1,2-Trichloroethane	ND	0.0344						0		30	
1,3-Dichloropropane	ND	0.0574						0		30	
Tetrachloroethene (PCE)	ND	0.0230						0		30	
Dibromochloromethane	ND	0.0344						0		30	
1,2-Dibromoethane (EDB)	ND	0.00574						0		30	

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607237-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/27/2016** RunNo: **30845**
Client ID: **BATCH** Batch ID: **14376** Analysis Date: **7/28/2016** SeqNo: **582246**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	0.0230						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0344						0		30	
Ethylbenzene	ND	0.0344						0		30	
m,p-Xylene	ND	0.0230						0		30	
o-Xylene	ND	0.0230						0		30	
Styrene	ND	0.0230						0		30	
Isopropylbenzene	ND	0.0918						0		30	
Bromoform	ND	0.0230						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0230						0		30	
n-Propylbenzene	ND	0.0230						0		30	
Bromobenzene	ND	0.0344						0		30	
1,3,5-Trimethylbenzene	ND	0.0230						0		30	
2-Chlorotoluene	ND	0.0230						0		30	
4-Chlorotoluene	ND	0.0230						0		30	
tert-Butylbenzene	ND	0.0230						0		30	
1,2,3-Trichloropropane	ND	0.0230						0		30	
1,2,4-Trichlorobenzene	ND	0.0574						0		30	
sec-Butylbenzene	ND	0.0230						0		30	
4-Isopropyltoluene	ND	0.0230						0		30	
1,3-Dichlorobenzene	ND	0.0230						0		30	
1,4-Dichlorobenzene	ND	0.0230						0		30	
n-Butylbenzene	ND	0.0230						0		30	
1,2-Dichlorobenzene	ND	0.0230						0		30	
1,2-Dibromo-3-chloropropane	ND	0.574						0		30	
1,2,4-Trimethylbenzene	ND	0.0230						0		30	
Hexachlorobutadiene	ND	0.115						0		30	
Naphthalene	ND	0.0344						0		30	
1,2,3-Trichlorobenzene	ND	0.0230						0		30	
Surr: Dibromofluoromethane	1.43		1.435		99.8	56.5	129		0		
Surr: Toluene-d8	1.49		1.435		104	64.3	131		0		
Surr: 1-Bromo-4-fluorobenzene	1.41		1.435		98.4	63.1	141		0		

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	**1607237-001BDUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **7/27/2016**		RunNo: **30845**			
Client ID:	**BATCH**	Batch ID: **14376**					Analysis Date: **7/28/2016**		SeqNo: **582246**			
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Work Order: 1607216
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1607109-003ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **7/22/2016**		RunNo: **30721**			
Client ID: **BATCH**	Batch ID: **R30721**					Analysis Date: **7/22/2016**		SeqNo: **579613**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	21.9	0.500						22.06	0.617	20	

Fremont Analytical

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1607216**
Logged by:	**Erica Silva**	Date Received:	**7/21/2016 2:26:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	9.7
Sample	2.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont

Chain of Custody Record and Laboratory Services Agreement

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 7/21/16

Laboratory Project No (internal): 160721C

Page: 1 of: 1

Client: PES Environmental, Inc.
Address: 1215 4th Ave. Suite 1358
City, State, Zip: Seattle WA, 98161
Telephone: (206) 529-3980 Fax: (206) 529-3985

Project Name: Lake Stevens Marketplace
Project No: 1246.034.03 Collected by: Chris DeBoer
Location: Lake Stevens WA
Report To (PM): Brian O'Neal
PM Email: boneal@pesenv.com

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	MW-5-7.5	7/20/16	1010	S	X												
2	MW-6-5	7/21/16	840	S	X												
3	MW-7-5	7/21/16	1100	S	X												
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Chris DeBoer 7/21/16

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Chris DeBoer	7/21/16 1426	x	7/21/16 1426
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day (STD)

^Please coordinate with the lab in advance

Distribution: White - Lab, Yellow - File, Pink - Originator

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

PES Environmental, Inc.
Brian O'Neal
1215 Fourth Avenue, Suite 1350
Seattle, WA 98161

RE: Lake Stevens Marketplace
Lab ID: 1607286

August 02, 2016

Attention Brian O'Neal:

Fremont Analytical, Inc. received 10 sample(s) on 7/26/2016 for the analyses presented in the following report.

Mercury by EPA Method 7471
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020
Volatile Organic Compounds by EPA Method 8260C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward
Project Manager

Fremont Analytical

Date: *08/02/2016*

CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab Order: 1607286

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1607286-001	Drum-S-072616	07/26/2016 6:50 AM	07/26/2016 2:09 PM
1607286-002	MW-1-072616	07/26/2016 7:40 AM	07/26/2016 2:09 PM
1607286-003	MW-6-072616	07/26/2016 8:40 AM	07/26/2016 2:09 PM
1607286-004	MW-7-072616	07/26/2016 9:35 AM	07/26/2016 2:09 PM
1607286-005	Drum-W-072616	07/26/2016 9:50 AM	07/26/2016 2:09 PM
1607286-006	MW-3-072616	07/26/2016 10:35 AM	07/26/2016 2:09 PM
1607286-007	MW-4-072616	07/26/2016 11:35 AM	07/26/2016 2:09 PM
1607286-008	MW-2-072616	07/26/2016 12:30 PM	07/26/2016 2:09 PM
1607286-009	MW-5-072616	07/26/2016 1:30 PM	07/26/2016 2:09 PM
1607286-010	Trip Blank	07/25/2016 10:39 AM	07/26/2016 2:09 PM

CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-001
Client Sample ID: **Drum-S-072616**

Collection Date: 7/26/2016 6:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Mercury by EPA Method 7471				Batch ID: 14415		Analyst: MW
Mercury	ND	0.249		mg/Kg-dry	1	8/1/2016 2:31:34 PM
Total Metals by EPA Method 6020				Batch ID: 14398		Analyst: TN
Arsenic	2.62	0.0857		mg/Kg-dry	1	7/29/2016 3:23:04 PM
Barium	27.4	0.428		mg/Kg-dry	1	7/29/2016 3:23:04 PM
Cadmium	ND	0.171		mg/Kg-dry	1	7/29/2016 3:23:04 PM
Chromium	23.6	0.0857		mg/Kg-dry	1	7/29/2016 3:23:04 PM
Lead	6.79	0.171		mg/Kg-dry	1	7/29/2016 3:23:04 PM
Selenium	1.53	0.428		mg/Kg-dry	1	7/29/2016 3:23:04 PM
Silver	ND	0.0857		mg/Kg-dry	1	7/29/2016 3:23:04 PM
Sample Moisture (Percent Moisture)				Batch ID: R30817		Analyst: ME
Percent Moisture	8.82			wt%	1	7/27/2016 8:12:33 AM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-002
Client Sample ID: MW-1-072616

Collection Date: 7/26/2016 7:40:00 AM
Matrix: Water

Volatile Organic Compounds by EPA Method 8260C Batch ID: 14381 Analyst: NG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Chloromethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Vinyl chloride	ND	0.200		µg/L	1	7/28/2016 9:28:12 PM
Bromomethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/28/2016 9:28:12 PM
Chloroethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Methylene chloride	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/28/2016 9:28:12 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Chloroform	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Benzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/28/2016 9:28:12 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Dibromomethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Toluene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/28/2016 9:28:12 PM
Chlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Ethylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
m,p-Xylene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
o-Xylene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Styrene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Bromoform	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-002
Client Sample ID: **MW-1-072616**

Collection Date: 7/26/2016 7:40:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Bromobenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/28/2016 9:28:12 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/28/2016 9:28:12 PM
Naphthalene	ND	1.00		µg/L	1	7/28/2016 9:28:12 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/28/2016 9:28:12 PM
Surr: Dibromofluoromethane	96.1	45.4-152		%Rec	1	7/28/2016 9:28:12 PM
Surr: Toluene-d8	93.6	40.1-139		%Rec	1	7/28/2016 9:28:12 PM
Surr: 1-Bromo-4-fluorobenzene	95.1	64.2-128		%Rec	1	7/28/2016 9:28:12 PM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 8:40:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607286-003
Matrix: Water
Client Sample ID: MW-6-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Chloromethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Vinyl chloride	ND	0.200		µg/L	1	7/28/2016 9:58:49 PM
Bromomethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/28/2016 9:58:49 PM
Chloroethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Methylene chloride	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/28/2016 9:58:49 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Chloroform	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Benzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/28/2016 9:58:49 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Dibromomethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Toluene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Tetrachloroethene (PCE)	1.68	1.00		µg/L	1	7/28/2016 9:58:49 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/28/2016 9:58:49 PM
Chlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Ethylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
m,p-Xylene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
o-Xylene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Styrene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Bromoform	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 8:40:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607286-003
Matrix: Water
Client Sample ID: MW-6-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Bromobenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/28/2016 9:58:49 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/28/2016 9:58:49 PM
Naphthalene	ND	1.00		µg/L	1	7/28/2016 9:58:49 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/28/2016 9:58:49 PM
Surr: Dibromofluoromethane	95.7	45.4-152		%Rec	1	7/28/2016 9:58:49 PM
Surr: Toluene-d8	92.6	40.1-139		%Rec	1	7/28/2016 9:58:49 PM
Surr: 1-Bromo-4-fluorobenzene	96.1	64.2-128		%Rec	1	7/28/2016 9:58:49 PM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 9:35:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607286-004
Matrix: Water
Client Sample ID: MW-7-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Chloromethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Vinyl chloride	ND	0.200		µg/L	1	7/28/2016 10:29:25 PM
Bromomethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/28/2016 10:29:25 PM
Chloroethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Methylene chloride	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/28/2016 10:29:25 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Chloroform	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Benzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/28/2016 10:29:25 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Dibromomethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Toluene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Tetrachloroethene (PCE)	43.5	1.00		µg/L	1	7/28/2016 10:29:25 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/28/2016 10:29:25 PM
Chlorobenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Ethylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
m,p-Xylene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
o-Xylene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Styrene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Bromoform	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 9:35:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607286-004
Matrix: Water
Client Sample ID: MW-7-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Bromobenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/28/2016 10:29:25 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/28/2016 10:29:25 PM
Naphthalene	ND	1.00		µg/L	1	7/28/2016 10:29:25 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/28/2016 10:29:25 PM
Surr: Dibromofluoromethane	95.3	45.4-152		%Rec	1	7/28/2016 10:29:25 PM
Surr: Toluene-d8	93.3	40.1-139		%Rec	1	7/28/2016 10:29:25 PM
Surr: 1-Bromo-4-fluorobenzene	95.4	64.2-128		%Rec	1	7/28/2016 10:29:25 PM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-005
Client Sample ID: **Drum-W-072616**

Collection Date: 7/26/2016 9:50:00 AM
Matrix: Wastewater

Volatile Organic Compounds by EPA Method 8260C — Batch ID: 14381 — Analyst: NG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Chloromethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Vinyl chloride	ND	0.200		µg/L	1	7/29/2016 12:31:41 AM
Bromomethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/29/2016 12:31:41 AM
Chloroethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Methylene chloride	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/29/2016 12:31:41 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Chloroform	2.00	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Benzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/29/2016 12:31:41 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Dibromomethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Toluene	13.2	1.00		µg/L	1	7/29/2016 12:31:41 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/29/2016 12:31:41 AM
Chlorobenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Ethylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
m,p-Xylene	1.19	1.00		µg/L	1	7/29/2016 12:31:41 AM
o-Xylene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Styrene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Bromoform	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-005
Client Sample ID: **Drum-W-072616**

Collection Date: 7/26/2016 9:50:00 AM
Matrix: Wastewater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Bromobenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/29/2016 12:31:41 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/29/2016 12:31:41 AM
Naphthalene	ND	1.00		µg/L	1	7/29/2016 12:31:41 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/29/2016 12:31:41 AM
Surr: Dibromofluoromethane	94.8	45.4-152		%Rec	1	7/29/2016 12:31:41 AM
Surr: Toluene-d8	93.4	40.1-139		%Rec	1	7/29/2016 12:31:41 AM
Surr: 1-Bromo-4-fluorobenzene	96.3	64.2-128		%Rec	1	7/29/2016 12:31:41 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-006
Client Sample ID: MW-3-072616

Collection Date: 7/26/2016 10:35:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
Dichlorodifluoromethane (CFC-12)	14.7	1.00		µg/L	1	7/29/2016 1:02:18 AM
Chloromethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Vinyl chloride	ND	0.200		µg/L	1	7/29/2016 1:02:18 AM
Bromomethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/29/2016 1:02:18 AM
Chloroethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Methylene chloride	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/29/2016 1:02:18 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Chloroform	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Benzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/29/2016 1:02:18 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Dibromomethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Toluene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/29/2016 1:02:18 AM
Chlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Ethylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
m,p-Xylene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
o-Xylene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Styrene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Bromoform	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 10:35:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607286-006
Matrix: Water
Client Sample ID: MW-3-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Bromobenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/29/2016 1:02:18 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/29/2016 1:02:18 AM
Naphthalene	ND	1.00		µg/L	1	7/29/2016 1:02:18 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/29/2016 1:02:18 AM
Surr: Dibromofluoromethane	94.5	45.4-152		%Rec	1	7/29/2016 1:02:18 AM
Surr: Toluene-d8	91.8	40.1-139		%Rec	1	7/29/2016 1:02:18 AM
Surr: 1-Bromo-4-fluorobenzene	95.8	64.2-128		%Rec	1	7/29/2016 1:02:18 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 11:35:00 AM
Project: Lake Stevens Marketplace
Lab ID: 1607286-007
Matrix: Water
Client Sample ID: MW-4-072616

Volatile Organic Compounds by EPA Method 8260C Batch ID: 14381 Analyst: NG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	1.13	1.00		µg/L	1	7/29/2016 1:32:50 AM
Chloromethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Vinyl chloride	ND	0.200		µg/L	1	7/29/2016 1:32:50 AM
Bromomethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/29/2016 1:32:50 AM
Chloroethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Methylene chloride	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/29/2016 1:32:50 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Chloroform	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Benzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/29/2016 1:32:50 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Dibromomethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Toluene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/29/2016 1:32:50 AM
Chlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Ethylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
m,p-Xylene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
o-Xylene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Styrene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Bromoform	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-007
Client Sample ID: **MW-4-072616**

Collection Date: 7/26/2016 11:35:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Bromobenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/29/2016 1:32:50 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/29/2016 1:32:50 AM
Naphthalene	ND	1.00		µg/L	1	7/29/2016 1:32:50 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/29/2016 1:32:50 AM
Surr: Dibromofluoromethane	94.9	45.4-152		%Rec	1	7/29/2016 1:32:50 AM
Surr: Toluene-d8	92.3	40.1-139		%Rec	1	7/29/2016 1:32:50 AM
Surr: 1-Bromo-4-fluorobenzene	94.4	64.2-128		%Rec	1	7/29/2016 1:32:50 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 12:30:00 PM
Project: Lake Stevens Marketplace
Lab ID: 1607286-008
Matrix: Water
Client Sample ID: MW-2-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Chloromethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Vinyl chloride	ND	0.200		µg/L	1	7/29/2016 2:03:28 AM
Bromomethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/29/2016 2:03:28 AM
Chloroethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Methylene chloride	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/29/2016 2:03:28 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Chloroform	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Benzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/29/2016 2:03:28 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Dibromomethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Toluene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Tetrachloroethene (PCE)	128	10.0	D	µg/L	10	8/2/2016 7:54:31 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/29/2016 2:03:28 AM
Chlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Ethylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
m,p-Xylene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
o-Xylene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Styrene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Bromoform	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 12:30:00 PM
Project: Lake Stevens Marketplace
Lab ID: 1607286-008
Matrix: Water
Client Sample ID: MW-2-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Bromobenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/29/2016 2:03:28 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/29/2016 2:03:28 AM
Naphthalene	ND	1.00		µg/L	1	7/29/2016 2:03:28 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/29/2016 2:03:28 AM
Surr: Dibromofluoromethane	94.3	45.4-152		%Rec	1	7/29/2016 2:03:28 AM
Surr: Toluene-d8	92.5	40.1-139		%Rec	1	7/29/2016 2:03:28 AM
Surr: 1-Bromo-4-fluorobenzene	94.3	64.2-128		%Rec	1	7/29/2016 2:03:28 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Client: PES Environmental, Inc.
Project: Lake Stevens Marketplace
Lab ID: 1607286-009
Client Sample ID: **MW-5-072616**

Collection Date: 7/26/2016 1:30:00 PM
Matrix: Water

Volatile Organic Compounds by EPA Method 8260C Batch ID: 14381 Analyst: NG

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Chloromethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Vinyl chloride	ND	0.200		µg/L	1	7/29/2016 2:33:59 AM
Bromomethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Trichlorofluoromethane (CFC-11)	ND	1.00	Q	µg/L	1	7/29/2016 2:33:59 AM
Chloroethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Methylene chloride	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/29/2016 2:33:59 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Chloroform	1.88	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Benzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	7/29/2016 2:33:59 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Dibromomethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Toluene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
trans-1,3-Dichloropropylene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	7/29/2016 2:33:59 AM
Chlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Ethylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
m,p-Xylene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
o-Xylene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Styrene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Bromoform	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM

Client: PES Environmental, Inc.
Collection Date: 7/26/2016 1:30:00 PM
Project: Lake Stevens Marketplace
Lab ID: 1607286-009
Matrix: Water
Client Sample ID: MW-5-072616

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260C				Batch ID: 14381		Analyst: NG
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Bromobenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/29/2016 2:33:59 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
Hexachloro-1,3-butadiene	ND	4.00		µg/L	1	7/29/2016 2:33:59 AM
Naphthalene	ND	1.00		µg/L	1	7/29/2016 2:33:59 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/29/2016 2:33:59 AM
Surr: Dibromofluoromethane	96.2	45.4-152		%Rec	1	7/29/2016 2:33:59 AM
Surr: Toluene-d8	92.8	40.1-139		%Rec	1	7/29/2016 2:33:59 AM
Surr: 1-Bromo-4-fluorobenzene	96.2	64.2-128		%Rec	1	7/29/2016 2:33:59 AM

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID	MB-14398	SampType:	MBLK			Units:	mg/Kg	Prep Date:	7/29/2016		RunNo:	30890	
Client ID:	MBLKS	Batch ID:	14398					Analysis Date:	7/29/2016		SeqNo:	583144	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		ND	0.0763										
Barium		ND	0.382										
Cadmium		ND	0.153										
Chromium		ND	0.0763										
Lead		ND	0.153										
Selenium		ND	0.382										
Silver		ND	0.0763										

Sample ID	LCS-14398	SampType:	LCS			Units:	mg/Kg	Prep Date:	7/29/2016		RunNo:	30890	
Client ID:	LCSS	Batch ID:	14398					Analysis Date:	7/29/2016		SeqNo:	583145	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		39.7	0.0787	39.37	0	101	80	120					
Barium		39.1	0.394	39.37	0	99.4	80	120					
Cadmium		2.06	0.157	1.969	0	105	80	120					
Chromium		41.6	0.0787	39.37	0	106	80	120					
Lead		20.6	0.157	19.69	0	105	80	120					
Selenium		3.93	0.394	3.937	0	99.8	80	120					
Silver		2.12	0.0787	1.969	0	107	80	120					

Sample ID	1607192-006ADUP	SampType:	DUP			Units:	mg/Kg-dry	Prep Date:	7/29/2016		RunNo:	30890	
Client ID:	BATCH	Batch ID:	14398					Analysis Date:	7/29/2016		SeqNo:	583149	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic		3.23	0.0908						2.766	15.6	20		
Barium		49.5	0.454						46.08	7.17	20		
Cadmium		ND	0.182						0		20		
Chromium		41.0	0.0908						36.52	11.6	20		
Lead		2.51	0.182						2.689	7.06	20		
Selenium		1.03	0.454						1.082	5.09	20		

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID 1607192-006ADUP	SampType: DUP			Units: mg/Kg-dry	Prep Date: 7/29/2016			RunNo: 30890			
Client ID: BATCH	Batch ID: 14398				Analysis Date: 7/29/2016			SeqNo: 583149			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	0.0908						0		20	

Sample ID 1607192-006AMS	SampType: MS			Units: mg/Kg-dry	Prep Date: 7/29/2016			RunNo: 30890			
Client ID: BATCH	Batch ID: 14398				Analysis Date: 7/29/2016			SeqNo: 583151			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.6	0.0908	45.41	2.766	108	75	125				
Barium	117	0.454	45.41	46.08	155	75	125				S
Cadmium	2.25	0.182	2.270	0.07799	95.7	75	125				
Chromium	104	0.0908	45.41	36.52	149	75	125				S
Lead	26.7	0.182	22.70	2.689	106	75	125				
Selenium	6.01	0.454	4.541	1.082	109	75	125				
Silver	2.12	0.0908	2.270	0.04334	91.6	75	125				

NOTES:
S - Outlying spike recovery observed (Cr). A duplicate analysis was performed with similar results indicating a possible matrix effect.
S - Outlying spike recovery observed (Ba). A duplicate analysis was performed and recovered within range.

Sample ID 1607192-006AMSD	SampType: MSD			Units: mg/Kg-dry	Prep Date: 7/29/2016			RunNo: 30890			
Client ID: BATCH	Batch ID: 14398				Analysis Date: 7/29/2016			SeqNo: 583152			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	52.1	0.0908	45.41	2.766	109	75	125	51.60	0.918	20	
Barium	92.3	0.454	45.41	46.08	102	75	125	116.5	23.2	20	R
Cadmium	2.36	0.182	2.270	0.07799	101	75	125	2.250	4.80	20	
Chromium	94.6	0.0908	45.41	36.52	128	75	125	104.4	9.82	20	S
Lead	24.3	0.182	22.70	2.689	95.3	75	125	26.70	9.31	20	
Selenium	5.51	0.454	4.541	1.082	97.6	75	125	6.012	8.67	20	
Silver	2.19	0.0908	2.270	0.04334	94.5	75	125	2.122	3.05	20	

NOTES:
S - Outlying spike recovery observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.
R - High RPD observed, spike recoveries are within range.

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID **1607192-006APDS** SampType: **PDS** Units: **mg/Kg-dry** Prep Date: **7/29/2016** RunNo: **30890**
Client ID: **BATCH** Batch ID: **14398** Analysis Date: **7/29/2016** SeqNo: **583153**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.6	0.0901	45.0	2.77	108	80	120				
Barium	89.7	0.451	45.0	46.1	96.9	80	120				
Cadmium	2.25	0.180	2.25	0.0780	96.4	80	120				
Chromium	86.8	0.0901	45.0	36.5	112	80	120				
Lead	25.9	0.180	22.5	2.69	103	80	120				
Selenium	5.59	0.451	4.50	1.08	100	80	120				
Silver	2.29	0.0901	2.25	0.0433	99.7	80	120				

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Mercury by EPA Method 7471

Sample ID	MB-14415	SampType:	MBLK			Units:	mg/Kg	Prep Date:	8/1/2016		RunNo:	30919	
Client ID:	MBLKS	Batch ID:	14415					Analysis Date:	8/1/2016		SeqNo:	583585	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		ND	0.223										

Sample ID	LCS-14415	SampType:	LCS			Units:	mg/Kg	Prep Date:	8/1/2016		RunNo:	30919	
Client ID:	LCSS	Batch ID:	14415					Analysis Date:	8/1/2016		SeqNo:	583586	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0.441	0.216	0.4310	0	102	80	120					

Sample ID	1607192-006ADUP	SampType:	DUP			Units:	mg/Kg-dry	Prep Date:	8/1/2016		RunNo:	30919	
Client ID:	BATCH	Batch ID:	14415					Analysis Date:	8/1/2016		SeqNo:	583588	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		ND	0.257						0		20		

Sample ID	1607192-006AMS	SampType:	MS			Units:	mg/Kg-dry	Prep Date:	8/1/2016		RunNo:	30919	
Client ID:	BATCH	Batch ID:	14415					Analysis Date:	8/1/2016		SeqNo:	583589	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0.446	0.244	0.4887	0.008481	89.5	70	130					

Sample ID	1607192-006AMSD	SampType:	MSD			Units:	mg/Kg-dry	Prep Date:	8/1/2016		RunNo:	30919	
Client ID:	BATCH	Batch ID:	14415					Analysis Date:	8/1/2016		SeqNo:	583590	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0.519	0.272	0.5440	0.008481	93.8	70	130	0.4457	15.2	20		

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-14381** SampType: **MBLK** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **MBLKW** Batch ID: **14381** Analysis Date: **7/28/2016** SeqNo: **583091**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									Q
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									
trans-1,3-Dichloropropylene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.0600									

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **MB-14381** SampType: **MBLK** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **MBLKW** Batch ID: **14381** Analysis Date: **7/28/2016** SeqNo: **583091**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachloro-1,3-butadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: Dibromofluoromethane	24.0		25.00		95.9	45.4	152				
Surr: Toluene-d8	23.4		25.00		93.4	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	24.1		25.00		96.6	64.2	128				

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	MB-14381	SampType:	MBLK		Units: µg/L		Prep Date:	7/27/2016		RunNo:	30864	
Client ID:	MBLKW	Batch ID:	14381				Analysis Date:	7/28/2016		SeqNo:	583091	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID	LCS-14381	SampType:	LCS		Units: µg/L		Prep Date:	7/27/2016		RunNo:	30864	
Client ID:	LCSW	Batch ID:	14381				Analysis Date:	7/28/2016		SeqNo:	583092	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Dichlorodifluoromethane (CFC-12)	21.4	1.00	20.00	0	107	43	136					
Chloromethane	18.0	1.00	20.00	0	90.2	43.9	139					
Vinyl chloride	17.0	0.200	20.00	0	85.0	53.6	139					
Bromomethane	20.6	1.00	20.00	0	103	42.5	152					
Trichlorofluoromethane (CFC-11)	16.2	1.00	20.00	0	81.0	56.4	143				Q	
Chloroethane	19.0	1.00	20.00	0	94.8	53	141					
1,1-Dichloroethene	16.4	1.00	20.00	0	81.9	65.6	136					
Methylene chloride	17.2	1.00	20.00	0	86.1	67.1	131					
trans-1,2-Dichloroethene	16.8	1.00	20.00	0	84.2	71.7	129					
Methyl tert-butyl ether (MTBE)	19.5	1.00	20.00	0	97.6	67.7	131					
1,1-Dichloroethane	17.3	1.00	20.00	0	86.3	67.9	134					
2,2-Dichloropropane	20.4	2.00	20.00	0	102	33.7	152					
cis-1,2-Dichloroethene	17.0	1.00	20.00	0	85.2	71.1	130					
Chloroform	18.0	1.00	20.00	0	90.0	66.3	131					
1,1,1-Trichloroethane (TCA)	17.1	1.00	20.00	0	85.5	71	131					
1,1-Dichloropropene	16.9	1.00	20.00	0	84.4	69.9	124					
Carbon tetrachloride	17.7	1.00	20.00	0	88.6	66.2	134					
1,2-Dichloroethane (EDC)	17.2	1.00	20.00	0	85.9	68.8	123					
Benzene	20.0	1.00	20.00	0	99.8	69.3	132					
Trichloroethene (TCE)	17.4	0.500	20.00	0	87.0	65.2	136					
1,2-Dichloropropane	17.1	1.00	20.00	0	85.6	70.5	130					
Bromodichloromethane	17.4	1.00	20.00	0	87.0	67.2	137					
Dibromomethane	17.5	1.00	20.00	0	87.6	75.5	126					
cis-1,3-Dichloropropene	17.4	1.00	20.00	0	86.9	62.6	137					

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID	LCS-14381	SampType:	LCS		Units: µg/L		Prep Date:	7/27/2016		RunNo:	30864	
Client ID:	LCSW	Batch ID:	14381				Analysis Date:	7/28/2016		SeqNo:	583092	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Toluene	20.5	1.00	20.00	0	102	61.3	145					
trans-1,3-Dichloropropylene	16.8	1.00	20.00	0	84.2	58.5	142					
1,1,2-Trichloroethane	17.8	1.00	20.00	0	89.2	71.7	131					
1,3-Dichloropropane	17.5	1.00	20.00	0	87.6	73.5	127					
Tetrachloroethene (PCE)	17.2	1.00	20.00	0	86.2	47.5	147					
Dibromochloromethane	17.4	1.00	20.00	0	87.1	67.2	134					
1,2-Dibromoethane (EDB)	17.5	0.0600	20.00	0	87.5	73.6	125					
Chlorobenzene	18.0	1.00	20.00	0	90.0	73.9	126					
1,1,1,2-Tetrachloroethane	18.0	1.00	20.00	0	89.8	76.8	124					
Ethylbenzene	19.9	1.00	20.00	0	99.7	72	130					
m,p-Xylene	41.9	1.00	40.00	0	105	70.3	134					
o-Xylene	20.9	1.00	20.00	0	104	72.1	131					
Styrene	18.1	1.00	20.00	0	90.5	64.3	140					
Isopropylbenzene	17.5	1.00	20.00	0	87.3	73.9	128					
Bromoform	17.5	1.00	20.00	0	87.4	55.3	141					
1,1,2,2-Tetrachloroethane	17.9	1.00	20.00	0	89.4	62.9	132					
n-Propylbenzene	17.6	1.00	20.00	0	87.9	74.5	127					
Bromobenzene	17.7	1.00	20.00	0	88.6	71	131					
1,3,5-Trimethylbenzene	17.7	1.00	20.00	0	88.4	73.1	128					
2-Chlorotoluene	17.8	1.00	20.00	0	89.0	70.8	130					
4-Chlorotoluene	17.9	1.00	20.00	0	89.4	70.1	131					
tert-Butylbenzene	17.2	1.00	20.00	0	86.2	68.2	131					
1,2,3-Trichloropropane	18.1	1.00	20.00	0	90.7	67.7	131					
1,2,4-Trichlorobenzene	17.5	2.00	20.00	0	87.4	51.8	152					
sec-Butylbenzene	17.2	1.00	20.00	0	85.9	72	129					
4-Isopropyltoluene	17.5	1.00	20.00	0	87.4	69.2	130					
1,3-Dichlorobenzene	18.2	1.00	20.00	0	91.0	71	115					
1,4-Dichlorobenzene	18.1	1.00	20.00	0	90.3	66.8	119					
n-Butylbenzene	18.1	1.00	20.00	0	90.5	73.8	127					
1,2-Dichlorobenzene	18.3	1.00	20.00	0	91.7	69.7	119					
1,2-Dibromo-3-chloropropane	17.1	1.00	20.00	0	85.7	63.1	136					

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **LCS-14381** SampType: **LCS** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **LCSW** Batch ID: **14381** Analysis Date: **7/28/2016** SeqNo: **583092**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	18.0	1.00	20.00	0	90.3	73.4	127				
Hexachloro-1,3-butadiene	18.4	4.00	20.00	0	91.8	58.6	138				
Naphthalene	19.1	1.00	20.00	0	95.6	41.8	165				
1,2,3-Trichlorobenzene	18.0	4.00	20.00	0	90.3	48.7	156				
Surr: Dibromofluoromethane	24.6		25.00		98.4	45.4	152				
Surr: Toluene-d8	24.9		25.00		99.5	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	25.6		25.00		102	64.2	128				

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607283-002ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **BATCH** Batch ID: **14381** Analysis Date: **7/29/2016** SeqNo: **583795**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	Q
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID 1607283-002ADUP	SampType: DUP			Units: µg/L		Prep Date: 7/27/2016			RunNo: 30864		
Client ID: BATCH	Batch ID: 14381					Analysis Date: 7/29/2016			SeqNo: 583795		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropylene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607283-002ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **BATCH** Batch ID: **14381** Analysis Date: **7/29/2016** SeqNo: **583795**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachloro-1,3-butadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	
1,2,3-Trichlorobenzene	ND	4.00						0		30	
Surr: Dibromofluoromethane	24.5		25.00		97.8	45.4	152		0		
Surr: Toluene-d8	23.8		25.00		95.2	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	22.5		25.00		89.8	64.2	128		0		

NOTES:
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607278-006AMS** SampType: **MS** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **BATCH** Batch ID: **14381** Analysis Date: **7/29/2016** SeqNo: **583083**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	27.3	1.00	20.00	0	136	33.3	122				S
Chloromethane	21.1	1.00	20.00	0	106	48.2	145				
Vinyl chloride	20.8	0.200	20.00	0	104	58.1	158				
Bromomethane	22.8	1.00	20.00	0	114	31.5	135				
Trichlorofluoromethane (CFC-11)	19.9	1.00	20.00	0	99.7	54.7	138				
Chloroethane	22.6	1.00	20.00	0	113	49.9	143				
1,1-Dichloroethene	20.2	1.00	20.00	0	101	63	141				
Methylene chloride	18.8	1.00	20.00	0	93.9	61.6	135				
trans-1,2-Dichloroethene	18.8	1.00	20.00	0	94.1	63.5	138				
Methyl tert-butyl ether (MTBE)	20.0	1.00	20.00	0	100	60.9	132				

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607278-006AMS** SampType: **MS** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **BATCH** Batch ID: **14381** Analysis Date: **7/29/2016** SeqNo: **583083**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	18.8	1.00	20.00	0	93.9	67.8	136				
2,2-Dichloropropane	8.44	2.00	20.00	0	42.2	31.5	121				Q
cis-1,2-Dichloroethene	18.3	1.00	20.00	0	91.3	67.1	123				
Chloroform	19.3	1.00	20.00	0	96.5	66.7	136				
1,1,1-Trichloroethane (TCA)	20.1	1.00	20.00	0	100	64.2	146				
1,1-Dichloropropene	19.9	1.00	20.00	0	99.4	73.8	136				
Carbon tetrachloride	20.8	1.00	20.00	0	104	62.7	146				
1,2-Dichloroethane (EDC)	18.6	1.00	20.00	0	93.2	63.4	137				
Benzene	21.4	1.00	20.00	2.600	94.0	65.4	138				
Trichloroethene (TCE)	19.6	0.500	20.00	0	98.2	60.4	134				
1,2-Dichloropropane	18.6	1.00	20.00	0	92.8	62.6	138				
Bromodichloromethane	18.7	1.00	20.00	0	93.4	59.4	139				
Dibromomethane	19.1	1.00	20.00	0	95.7	63.6	139				
cis-1,3-Dichloropropene	16.2	1.00	20.00	0	81.1	63.8	132				
Toluene	19.8	1.00	20.00	0.4100	96.9	64	139				
trans-1,3-Dichloropropylene	15.9	1.00	20.00	0	79.4	57.7	125				
1,1,2-Trichloroethane	19.0	1.00	20.00	0	94.9	59.4	127				
1,3-Dichloropropane	18.7	1.00	20.00	0	93.3	64.3	135				
Tetrachloroethene (PCE)	19.3	1.00	20.00	0	96.6	50.3	133				
Dibromochloromethane	18.6	1.00	20.00	0	93.2	61.6	139				
1,2-Dibromoethane (EDB)	19.0	0.0600	20.00	0	95.1	63.2	134				
Chlorobenzene	19.2	1.00	20.00	0	95.8	65.8	134				
1,1,1,2-Tetrachloroethane	19.3	1.00	20.00	0	96.6	65.4	135				
Ethylbenzene	19.5	1.00	20.00	0.6000	94.6	64.5	136				
m,p-Xylene	40.2	1.00	40.00	0.4300	99.3	63.3	135				
o-Xylene	19.4	1.00	20.00	0.1700	95.9	65.4	134				
Styrene	19.2	1.00	20.00	0	96.0	59.1	134				
Isopropylbenzene	19.7	1.00	20.00	0.2900	97.2	56	147				
Bromoform	18.8	1.00	20.00	0.4000	91.8	57.7	139				
1,1,2,2-Tetrachloroethane	19.3	1.00	20.00	0	96.7	59.8	146				
n-Propylbenzene	19.4	1.00	20.00	0.2000	96.0	57.6	142				

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607278-006AMS** SampType: **MS** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **BATCH** Batch ID: **14381** Analysis Date: **7/29/2016** SeqNo: **583083**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	18.9	1.00	20.00	0	94.7	63.6	130				
1,3,5-Trimethylbenzene	19.3	1.00	20.00	0.1500	95.6	59.9	136				
2-Chlorotoluene	19.4	1.00	20.00	0.08000	96.9	61.7	134				
4-Chlorotoluene	19.2	1.00	20.00	0.08000	95.8	58.4	134				
tert-Butylbenzene	19.5	1.00	20.00	0	97.3	66.8	141				
1,2,3-Trichloropropane	18.6	1.00	20.00	0	93.0	62.4	129				
1,2,4-Trichlorobenzene	18.8	2.00	20.00	0	93.8	50.9	133				
sec-Butylbenzene	19.1	1.00	20.00	0.1500	95.0	56	146				
4-Isopropyltoluene	18.8	1.00	20.00	0.1500	93.1	56.4	136				
1,3-Dichlorobenzene	18.4	1.00	20.00	0	91.8	58.2	128				
1,4-Dichlorobenzene	19.3	1.00	20.00	0	96.6	60.1	123				
n-Butylbenzene	18.4	1.00	20.00	0.06000	91.7	54.6	135				
1,2-Dichlorobenzene	19.3	1.00	20.00	0	96.4	65.4	133				
1,2-Dibromo-3-chloropropane	19.0	1.00	20.00	0	94.8	51.8	142				
1,2,4-Trimethylbenzene	19.5	1.00	20.00	0.2500	96.3	63.7	132				
Hexachloro-1,3-butadiene	19.1	4.00	20.00	0	95.4	58.1	130				
Naphthalene	20.2	1.00	20.00	0.2500	99.7	54.5	132				
1,2,3-Trichlorobenzene	19.6	4.00	20.00	0	97.9	57	131				
Surr: Dibromofluoromethane	24.7		25.00		98.8	45.4	152				
Surr: Toluene-d8	24.8		25.00		99.0	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	26.0		25.00		104	64.2	128				

NOTES:
S - Outlying QC recoveries were observed. The method is in control as indicated by the LCS.
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **1607278-006AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **BATCH** Batch ID: **14381** Analysis Date: **7/29/2016** SeqNo: **583084**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	26.0	1.00	20.00	0	130	33.3	122	27.27	4.88	30	S
Chloromethane	21.2	1.00	20.00	0	106	48.2	145	21.11	0.189	30	

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607278-006AMSD**	SampType: **MSD**			Units: **µg/L**		Prep Date: **7/27/2016**		RunNo: **30864**			
Client ID: **BATCH**	Batch ID: **14381**					Analysis Date: **7/29/2016**		SeqNo: **583084**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	20.2	0.200	20.00	0	101	58.1	158	20.82	2.78	30	
Bromomethane	22.7	1.00	20.00	0	113	31.5	135	22.85	0.703	30	
Trichlorofluoromethane (CFC-11)	19.4	1.00	20.00	0	97.2	54.7	138	19.93	2.54	30	
Chloroethane	21.7	1.00	20.00	0	109	49.9	143	22.64	4.19	30	
1,1-Dichloroethene	20.2	1.00	20.00	0	101	63	141	20.20	0.148	30	
Methylene chloride	18.7	1.00	20.00	0	93.5	61.6	135	18.78	0.480	30	
trans-1,2-Dichloroethene	18.7	1.00	20.00	0	93.7	63.5	138	18.81	0.373	30	
Methyl tert-butyl ether (MTBE)	19.9	1.00	20.00	0	99.7	60.9	132	20.03	0.501	30	
1,1-Dichloroethane	18.2	1.00	20.00	0	91.2	67.8	136	18.78	2.86	30	
2,2-Dichloropropane	7.46	2.00	20.00	0	37.3	31.5	121	8.440	12.3	30	Q
cis-1,2-Dichloroethene	17.6	1.00	20.00	0	87.9	67.1	123	18.26	3.85	30	
Chloroform	19.1	1.00	20.00	0	95.7	66.7	136	19.30	0.885	30	
1,1,1-Trichloroethane (TCA)	19.8	1.00	20.00	0	98.8	64.2	146	20.06	1.51	30	
1,1-Dichloropropene	19.3	1.00	20.00	0	96.7	73.8	136	19.87	2.70	30	
Carbon tetrachloride	20.0	1.00	20.00	0	100	62.7	146	20.78	3.63	30	
1,2-Dichloroethane (EDC)	18.1	1.00	20.00	0	90.4	63.4	137	18.64	3.05	30	
Benzene	21.5	1.00	20.00	2.600	94.6	65.4	138	21.40	0.559	30	
Trichloroethene (TCE)	19.4	0.500	20.00	0	97.0	60.4	134	19.65	1.28	30	
1,2-Dichloropropane	18.1	1.00	20.00	0	90.6	62.6	138	18.57	2.51	30	
Bromodichloromethane	18.5	1.00	20.00	0	92.6	59.4	139	18.68	0.860	30	
Dibromomethane	18.9	1.00	20.00	0	94.3	63.6	139	19.13	1.42	30	
cis-1,3-Dichloropropene	16.1	1.00	20.00	0	80.7	63.8	132	16.22	0.494	30	
Toluene	19.7	1.00	20.00	0.4100	96.6	64	139	19.79	0.354	30	
trans-1,3-Dichloropropylene	15.9	1.00	20.00	0	79.4	57.7	125	15.88	0	30	
1,1,2-Trichloroethane	18.7	1.00	20.00	0	93.6	59.4	127	18.98	1.43	30	
1,3-Dichloropropane	18.7	1.00	20.00	0	93.6	64.3	135	18.66	0.374	30	
Tetrachloroethene (PCE)	19.0	1.00	20.00	0	95.0	50.3	133	19.32	1.72	30	
Dibromochloromethane	18.5	1.00	20.00	0	92.3	61.6	139	18.64	0.970	30	
1,2-Dibromoethane (EDB)	18.8	0.0600	20.00	0	93.8	63.2	134	19.02	1.32	30	
Chlorobenzene	19.5	1.00	20.00	0	97.6	65.8	134	19.16	1.81	30	
1,1,1,2-Tetrachloroethane	19.0	1.00	20.00	0	95.2	65.4	135	19.32	1.41	30	

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607278-006AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **7/27/2016** RunNo: **30864**
Client ID: **BATCH** Batch ID: **14381** Analysis Date: **7/29/2016** SeqNo: **583084**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	19.4	1.00	20.00	0.6000	94.3	64.5	136	19.52	0.359	30	
m,p-Xylene	39.7	1.00	40.00	0.4300	98.1	63.3	135	40.16	1.20	30	
o-Xylene	19.3	1.00	20.00	0.1700	95.5	65.4	134	19.35	0.414	30	
Styrene	19.1	1.00	20.00	0	95.3	59.1	134	19.19	0.680	30	
Isopropylbenzene	19.6	1.00	20.00	0.2900	96.7	56	147	19.73	0.559	30	
Bromoform	18.6	1.00	20.00	0.4000	90.9	57.7	139	18.75	0.965	30	
1,1,2,2-Tetrachloroethane	19.4	1.00	20.00	0	97.3	59.8	146	19.33	0.619	30	
n-Propylbenzene	19.1	1.00	20.00	0.2000	94.6	57.6	142	19.39	1.35	30	
Bromobenzene	19.1	1.00	20.00	0	95.5	63.6	130	18.94	0.841	30	
1,3,5-Trimethylbenzene	19.0	1.00	20.00	0.1500	94.3	59.9	136	19.28	1.41	30	
2-Chlorotoluene	19.1	1.00	20.00	0.08000	95.2	61.7	134	19.45	1.66	30	
4-Chlorotoluene	19.0	1.00	20.00	0.08000	94.4	58.4	134	19.23	1.41	30	
tert-Butylbenzene	19.4	1.00	20.00	0	96.8	66.8	141	19.46	0.567	30	
1,2,3-Trichloropropane	18.6	1.00	20.00	0	93.1	62.4	129	18.60	0.107	30	
1,2,4-Trichlorobenzene	19.3	2.00	20.00	0	96.4	50.9	133	18.77	2.68	30	
sec-Butylbenzene	18.9	1.00	20.00	0.1500	94.0	56	146	19.14	1.05	30	
4-Isopropyltoluene	18.8	1.00	20.00	0.1500	93.1	56.4	136	18.76	0.0533	30	
1,3-Dichlorobenzene	18.6	1.00	20.00	0	92.9	58.2	128	18.35	1.25	30	
1,4-Dichlorobenzene	19.4	1.00	20.00	0	97.0	60.1	123	19.31	0.465	30	
n-Butylbenzene	18.6	1.00	20.00	0.06000	92.6	54.6	135	18.40	0.920	30	
1,2-Dichlorobenzene	19.4	1.00	20.00	0	97.1	65.4	133	19.27	0.775	30	
1,2-Dibromo-3-chloropropane	19.4	1.00	20.00	0	97.2	51.8	142	18.97	2.45	30	
1,2,4-Trimethylbenzene	19.3	1.00	20.00	0.2500	95.4	63.7	132	19.51	0.979	30	
Hexachloro-1,3-butadiene	19.0	4.00	20.00	0	94.8	58.1	130	19.07	0.578	30	
Naphthalene	21.6	1.00	20.00	0.2500	106	54.5	132	20.18	6.57	30	
1,2,3-Trichlorobenzene	20.4	4.00	20.00	0	102	57	131	19.57	4.10	30	
Surr: Dibromofluoromethane	24.7		25.00		98.7	45.4	152		0		
Surr: Toluene-d8	24.5		25.00		97.9	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	25.7		25.00		103	64.2	128		0		

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260C

Sample ID **1607278-006AMSD**	SampType: **MSD**			Units: **µg/L**		Prep Date: **7/27/2016**			RunNo: **30864**		
Client ID: **BATCH**	Batch ID: **14381**					Analysis Date: **7/29/2016**			SeqNo: **583084**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying QC recoveries were observed. The method is in control as indicated by the LCS.
Q - Indicates an analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF).

Sample ID **CCV-G-14381**	SampType: **CCV**			Units: **µg/L**		Prep Date: **8/1/2016**			RunNo: **30864**		
Client ID: **CCV**	Batch ID: **14381**					Analysis Date: **8/1/2016**			SeqNo: **584036**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	17.8	1.00	20.00	0	88.8	80	120				
Tetrachloroethene (PCE)	17.5	1.00	20.00	0	87.4	80	120				
Ethylbenzene	17.3	1.00	20.00	0	86.5	80	120				
m,p-Xylene	36.4	1.00	40.00	0	91.1	80	120				
o-Xylene	18.0	1.00	20.00	0	89.8	80	120				
Isopropylbenzene	17.9	1.00	20.00	0	89.6	80	120				
n-Propylbenzene	17.5	1.00	20.00	0	87.5	80	120				
1,3,5-Trimethylbenzene	17.8	1.00	20.00	0	89.2	80	120				
1,2,4-Trimethylbenzene	18.0	1.00	20.00	0	90.0	80	120				
Naphthalene	16.2	1.00	20.00	0	80.8	80	120				
Surr: Dibromofluoromethane	24.4		25.00		97.7	72.1	122				
Surr: Toluene-d8	24.8		25.00		99.2	62.1	129				
Surr: 1-Bromo-4-fluorobenzene	25.4		25.00		102	63.3	132				

Work Order: 1607286
CLIENT: PES Environmental, Inc.
Project: Lake Stevens Marketplace

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1607284-001ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **7/27/2016**		RunNo: **30817**			
Client ID: **BATCH**	Batch ID: **R30817**					Analysis Date: **7/27/2016**		SeqNo: **581728**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	14.6	0.500						15.56	6.40	20	

Fremont Analytical

Sample Log-In Check List

Client Name:	**PES**	Work Order Number:	**1607286**
Logged by:	**Erica Silva**	Date Received:	**7/26/2016 2:09:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	8.4
Sample	9.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical

Chain of Custody Record and Laboratory Services Agreement

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 7/26/16

Laboratory Project No (internal): 160728le

Page: 1 of: 1

Client: PES Environmental, Inc.
Address: 1215 4th Ave. Suite 1350
City, State, Zip: Seattle WA 98161
Telephone: (206) 529-3980 Fax: (206) 529-3935

Project Name: Lake Stevens Marketplace
Project No: 1246.038.03 Collected by: C. DeBoer
Location: Lake Stevens, WA
Report To (PM): Brian O'Neal
PM Email: boneal@pesenv.com

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	Drum-S-072616	7/26/16	650	S										X				
2	MW-1-072616		740	W	X													
3	MW-6-072616		840	W	X													
4	MW-7-072616		935	W	X													
5	Drum-W-072616		950	WW	X													
6	MW-3-072616		1035	W	X													
7	MW-4-072616		1135	W	X													
8	MW-2-072616		1230	W	X													
9	MW-5-072616		1330	W	X													
10																		

**Metals Analysis (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Chris DeBoer	7/26/16 1408	x [signature]	7/26/16 14:09
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day (STD)

^Please coordinate with the lab in advance

Distribution: White - Lab, Yellow - File, Pink - Originator