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January 23, 2017

Washington State Department of Ecology Toxics Cleanup Program – Southwest Regional Office PO Box 47775 Olympia, Washington 98504-7775

Attention: Jeremy Hughes

Subject: Soil and Groundwater Characterization Summary

WSDOT Toledo Maintenance Facility

Toledo, Washington File No. 0504-117-00

INTRODUCTION

This letter report summarizes the results of recent subsurface investigation activities completed at the Washington State Department of Transportation (WSDOT) Toledo Maintenance Facility (Ecology FSID 27866869) located at 385 Toledo-Vader Road in Toledo, Washington (the Site; Figure 1). The purpose of the investigation was to assess the current nature and extent of residual petroleum hydrocarbons in soil and groundwater beneath the Site associated with historic releases from the former underground storage tank (UST) system. Subsurface investigation activities were performed on October 28, 2016. A figure illustrating soil and groundwater sampling locations is presented as Figure 2.

SCOPE OF SERVICES

This project was implemented under GeoEngineers' prime contract with Ecology (Contract No. C1100145, Work Assignment No. C11145C5). Our services were executed in general accordance with the proposal, dated September 8, 2016.

The scope of services for the subsurface investigation was as follows:

- 1. Coordinated field activities with the property owner(s) prior to site entry.
- 2. GeoEngineers subcontracted a Washington State-licensed drilling company to complete four soil borings, as shown in Figure 2. Prior to commencing field work, the driller submitted a Notice of Intent to advance site characterization borings to Ecology.

- Coordinated underground utility locating using the State underground utility notification system (WA One-call), and a private utility locator to assess for potential underground utilities at the site prior to commencing field work. Per state regulations, the boring locations were marked prior to initiating the final WA One-Call request.
- 4. Prepared a Site-Specific Health and Safety Plan (HSP) in accordance with Washington Administrative Code (WAC) 296-24. A copy of the HSP was signed by GeoEngineers, Ecology, and subcontractor representatives present on site, and was kept on-site for the duration of the associated field activities.
- 5. Conducted field characterization activities, including monitoring the advancement of four direct-push borings (DOT-1 to DOT-4; Figure 2) at the site.
- 6. Obtained continuous-core soil and grab groundwater samples from each boring location for potential chemical analysis. All soil and groundwater samples were stored in an ice-filled cooler for transport to an Ecology-accredited analytical laboratory using standard chain-of-custody (COC) protocol. Samples were submitted on hold pending Ecology review of the COC and field-screening information.
- 7. Analyzed selected soil and groundwater samples, based on directives from Ecology staff, for the following chemicals of potential concern (COPCs):
 - NWTPH-Gx and NWTPH-Dx for gasoline and diesel range organics and heavy oils;
 - Volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260B; and
 - Total and dissolved lead by EPA Method 6010b or 6020.
- 8. Temporarily stored investigation-derived waste (IDW) generated during boring advancement and sampling in a secure, on-site location using appropriately-labeled containers. A Washington State-licensed transporter was obtained to profile and transport the IDW to an appropriate landfill for subsequent disposal.
- 9. Uploaded the analytical data (in the form of an electronic data deliverable (EDD) received from the analytical laboratory) to Ecology's Environmental Information Management (EIM) system database.
- 10. Evaluated the data with respect to the Model Toxics Control Act (MTCA) Method A cleanup levels (CULs).
- 11. Prepared this report describing site characterization efforts, which includes a summary table of select analytical results, a site plan depicting boring locations, and associated field logs.

SUBSURFACE INVESTIGATION FINDINGS

Subsurface Explorations

Four soil borings were advanced at the site using direct-push exploration equipment to a maximum depth of 12.5 feet below ground surface (bgs) on October 28, 2016. The approximate exploration locations are depicted on Figure 2.

The subsurface investigation activities were monitored by a representative of GeoEngineers, who visually classified and performed field screening tests on soil samples collected from the soil borings for evidence of petroleum hydrocarbons using a photo-ionization detector (PID). Subsurface conditions and field screening results are shown on the subsurface exploration logs presented in Appendix A.



Soil and groundwater samples were also collected from each location and submitted to a State-certified analytical laboratory for chemical analysis using the methods previously described. Soil sample selection was based on in-field observations and screening methods. Following soil and grab-groundwater sample collection, the borings were subsequently decommissioned in accordance with Ecology regulations.

Subsurface Conditions

Fill material was encountered beneath the grass cover at each boring location, consisting of silty sands with gravel or silty gravel to a depth of approximately 4.5 to 8 feet below ground surface (bgs). Below this fill and surface cover, native material, predominantly comprised of sandy silt was encountered. Groundwater was encountered at each boring location within the fill material at approximately 2.5-feet bgs.

Field screening of soil from borings DOT-3 and DOT-4 indicated evidence of petroleum hydrocarbons and VOCs within a narrow lense of silty sand from approximately 10 to 10.5 feet bgs. The remaining soil and groundwater samples from borings DOT-1 through DOT-4 did not indicate the presence of significant concentrations of petroleum hydrocarbons or VOCs. Appendix A provides a description of the field screening methods employed during the recent subsurface characterization activities.

Investigation-Derived Waste

Investigation-derived waste (soil, groundwater and decontamination water), generated during the subsurface investigation, was placed into two 55-gallon drums, appropriately-labeled, and transported off-site for permitted disposal.

CHEMICAL ANALYTICAL RESULTS

Soil and groundwater samples were submitted to OnSite Environmental, Inc., located in Redmond, Washington for chemical analysis. The chemical analytical data for the soil and groundwater samples are summarized in Table 1. Copies of the analytical laboratory reports are presented in Appendix B.

Soil Analytical Results

VOCs including BTEX were not detected above their respective practical quantitation limits (PQLs) in the soil samples collected from borings DOT-1 through DOT-4.

Diesel-range petroleum hydrocarbons, lead, and volatile organic compounds including tert-, sec-, and n-butylbenzene and naphthalene were not detected above their respective MTCA Method A CULs for Unrestricted Land Use in the soil samples collected from borings DOT-1 through DOT-4.

Gasoline-range petroleum hydrocarbons were detected above the associated MTCA Method A CUL of 100 milligrams per kilogram [mg/kg] in the soil sample collected from boring DOT-3 (290 mg/kg) at 10.5 feet bgs.



Groundwater Analytical Results

Gasoline-, diesel-, heavy oil-range petroleum hydrocarbons, and associated VOCs were not detected above their respective PQLs in the groundwater samples collected from borings DOT-1 through DOT-4.

Total lead was detected above the associated MTCA Method A CUL of 15 micrograms per liter (ug/L) in the groundwater samples collected from borings DOT-1 (2,600 ug/L), DOT-2 (570 ug/L), DOT-3 (150 ug/L), and DOT-4 (84 ug/L). Dissolved-phase lead, however, was not detected above the associated MTCA Method A CUL at these same locations (borings DOT-1 through DOT-4) during the October 2016 investigation activity.

SUMMARY

Soil and groundwater assessment activities were conducted at the Site on October 28, 2016. Four borings (DOT-1 through DOT-4) were advanced to depths ranging from 10.5 to 12.5 feet bgs. Observed native material generally consisted of primarily sandy silty with lesser amounts of gravel. Groundwater was encountered in each boring at approximately 2.5 feet bgs.

One soil and one grab groundwater sample from each boring was submitted for chemical analysis of the following:

- NWTPH-Gx and NWTPH-Dx for gasoline and diesel range organics and heavy oils;
- VOCs by EPA Method 8260B; and
- Total and dissolved lead by EPA Method 6010b or 6020.

Only a single location (DOT-3) exhibited concentrations of COPCs in soil in excess of their respective MTCA Method A CULs for Unrestricted Land Use. Gasoline-range petroleum hydrocarbons were detected above the associated MTCA Method A CUL for Unrestricted Land Use of 100 mg/kg in the soil sample collected from boring DOT-3 at 10.5 feet bgs (290 mg/kg).

Total lead was detected above the associated MTCA Method A CUL of 15 micrograms per liter (ug/L) in the groundwater samples collected from borings DOT-1 (2,600 ug/L), DOT-2 (570 ug/L), DOT-3 (150 ug/L), and DOT-4 (84 ug/L). Dissolved-phase lead, however, was not detected above the associated MTCA Method A CUL at these same locations (borings DOT-1 through DOT-4). All remaining analytes in soil and groundwater did not exceed their respective MTCA Method A CULs.

LIMITATIONS

We have prepared this report for the exclusive use of the Washington State Department of Ecology. Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices in this area at the time this report was prepared. The conclusions and opinions presented in this report are based on our professional knowledge, judgment and experience. No warranty or other conditions, express or implied, should be understood.



Any electronic form, facsimile or hard copy of the original document (email, text, table and/or figure), if provided, and any attachments should be considered a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

Please refer to Appendix C titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

Please feel free to contact either of the undersigned should you have any questions or feating additional information.

Sincerely,

GeoEngineers, Inc.

Sydney Bronson, EIT

Environmental Engineer sbronson@geoengineers.com

425.861.6086

SJB:TNO:Iw

20.000000000

Attachments:

Table 1. Soil and Groundwater Field Screening and Chemical Analytical Data

Figure 1. Vicinity Map

Figure 2. Site Plan

Appendix A. Field Procedures and Boring Logs

Appendix B. Laboratory Analytical Report

Appendix C. Report Limitations and Guidelines for Use

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

Tony Orme, PE

Associate

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Table 1

Soil and Groundwater Field Screening and Chemical Analytical Data

WSDOT Toledo Maintenance Facility Toledo, Washington GeoEngineers File No. 0504-117-00

Sample Matrix		Se	oil			Ground	dwater		Soil	Groundwater
Sample ID ¹ Sample Date	DOT-1-10.5	DOT-2-11.5	DOT-3-10.5 8/16	DOT-4-10.5	DOT-1- 102816	DOT-2- 102816	DOT-3- 102816 8/16	DOT-4- 102816	MTCA Method A or B Cleanup Level for	MTCA Method A or B Cleanup
Sample Depth (feet bgs)	40.5		-	40.5					Unrestricted Land Use	Level
	10.5	11.5	10.5	10.5	-	-	-		Land USC	
Field Screening Sheen	NS	NS	HS	SS	NS	NS	NS	NS	1	
Headspace Vapor (ppm)	<1	<1	270	11						
Units	\1		/kg	11		ug	 :/I		mg/kg	ug/L
Petroleum Hydrocarbons by NWTPH-G or NWTPH-Dx		1116	/ NB			u _E	/ L		8/ 1.8	₩ 8 / -
Gasoline-Range	<12	<8.6	290	<13	<100	<100	<100	<100	30/100 ²	800/1,000 ³
Diesel-Range	<37	<34	440	120	<270	<290	<310	<310	2,000	500
Oil-Range	<75	<67	<76	<71	<430	<460	<500	<500	2,000	500
RCRA Metals by EPA 6000/7000 Series or EPA 200.8	•								•	
Total Lead	8.9	<6.7	<7.6	15	2,600	570	150	84	250	15
Dissolved Lead	NA	NA	NA	NA	6.6	1.5	2.3	4.8	NA	15
Volatile Organic Compounds (VOCs) by EPA 8260										
Benzene	<0.0016	<0.0014	<0.10	<0.0013	<0.20	<0.20	<0.20	<0.20	0.03	5
Toluene	<0.0078	<0.0070	<0.50	<0.0065	<1.0	<1.0	<1.0	<1.0	7	1,000
Ethylbenzene	<0.0016	<0.0014	<0.10	<0.0013	<0.20	<0.20	<0.20	<0.20	6	700
Total Xylenes ⁴	<0.0031	<0.0028	<0.20	<0.0026	<0.40	<0.40	<0.40	<0.40	9	1,000
Acetone	<0.016	<0.014	<1.0	0.045 ⁵	<9.2	<9.2	<9.2	<9.2	72,000	720
tert-Butylbenzene	<0.0016	<0.0014	<0.10	0.016	<0.20	<0.20	<0.20	<0.20	8,000	800
sec-Butylbenzene	<0.0016	<0.0014	0.23	0.033	<0.20	<0.20	<0.20	<0.20	8,000	800
n-Butylbenzene	<0.0016	<0.0014	0.20	0.013	<0.20	<0.20	<0.20	<0.20	4,000	400
Naphthalene	<0.0016	<0.0014	<0.10	0.0068	<1.0	<1.0	<1.0	<1.0	5	160
Other VOCs ⁶	ND	ND	ND	ND	ND	ND	ND	ND	varies	varies

Notes:

bgs = below ground surface

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

ug/L = micrograms per liter

Bold indicates analyte was detected.

MTCA = Model Toxics Control Act

NE = not established

ND = not detected

NA = not applicable

NS = no sheen

ppm = parts per million

RCRA = Resource Conservation and Recovery Act

SS = slight sheen HS = high sheen

Shading indicates analyte was detected at a concentration greater than the MTCA Cleanup Level for Unrestricted Land Use.



¹Boring locations are shown on Figure 2. Sample ID nomenclature is 'DOT-boring number-sample depth below ground surface' for soil samples, and 'DOT-boring number-date' for groundwater samples.

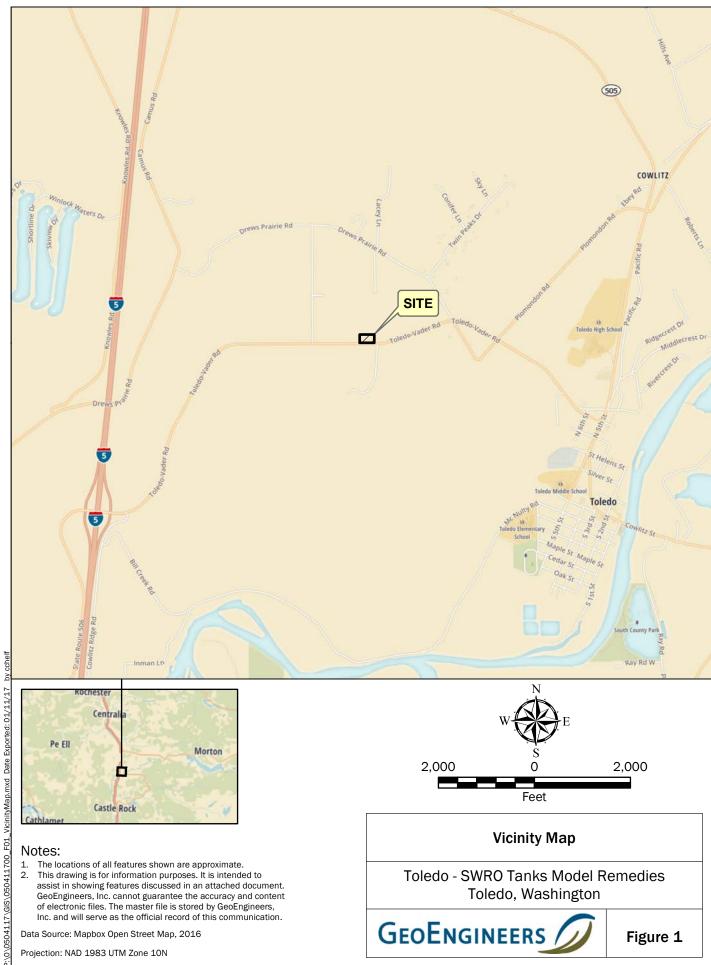
 $^{^2}$ When benzene is present the gasoline range cleanup level is 30 mg/kg. When benzene is not present the range cleanup level is 100 mg/kg.

 $^{^3}$ When benzene is present the gasoline range cleanup level is 0.8 mg/kg. When benzene is not present the range cleanup level is 1.0 mg/kg.

 $^{^4}$ Total xylenes consists of the sum of m,p- and o- xylene. The higher detection limit is shown when xylenes were not detected.

 $^{^5\}mbox{Acetone}$ is a common laboratory solvents and was likely introduced during sample preparation.

 $^{^{\}rm 6} See$ Appendix B for the full list of analytes.





2,000 2,000 Feet

Notes:

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

Data Source: Mapbox Open Street Map, 2016

Projection: NAD 1983 UTM Zone 10N

Vicinity Map

Toledo - SWRO Tanks Model Remedies Toledo, Washington



Figure 1



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

Aerial from Google Earth Pro dated 7/16/2014.

DOT-1 Boring Completed by GeoEngineers, October 2016

Toledo - SWRO Tanks Model Remedies Toledo, Washington



Figure 2

APPENDIX A Field Procedures and Boring Logs

APPENDIX A FIELD PROCEDURES AND BORING LOGS

Underground Utility Locate

Prior to drilling activities, an underground utility locate was conducted in the area of the proposed boring locations to identify any subsurface utilities and/or potential underground physical hazards. An underground utility check consisting of contacting the Washington State "One Call" service to notify them of the planned drilling activities and subcontract a private a utility locating service (Applied Professional Service [APS]) to clear each proposed boring location.

Soil Sampling

A truck-mounted direct-push drilling rig operated by Standard Environmental Probe was used to complete the field investigation. Drilling activities were completed in general accordance with Washington Administrative Code (WAC) 173-760 by a Washington state licensed drilling company. Continuous soil cores were obtained from the direct-push borings using 1.5-inch diameter, 5-foot long stainless steel sampler rods driven using a pneumatic hammer. Soil samples were collected in clean, plastic 2.5-inch diameter disposable liners. The liners were placed inside the sampling rod and then hydraulically driven or pushed into the soil at the selected sampling depth.

A representative from our staff classified the soil encountered in each of the borings. Soil in the explorations was visually classified in general accordance with ASTM International (ASTM) D 2488-94. The boring logs are presented in Appendix A, Figures A-2 through A-4.

The sampling equipment was decontaminated before each sampling attempt with a Liqui-Nox® solution wash and a distilled water rinse. Soil samples were obtained for field screening and possible chemical analysis. Soil samples obtained during the exploration activities were collected from the sampler with a stainless steel knife or new gloves. A portion of each sample was placed in laboratory-prepared sample jars for possible chemical analysis. The remaining portion of each sample was used for field screening.

Soil samples collected for potential chemical analysis were placed in a cooler with ice for transport to the laboratory. Standard chain-of-custody procedures were followed in transporting the soil samples to the laboratory.

Field Screening of Soil Samples

Soil samples obtained from the borings were screened in the field for evidence of contamination using: 1) visual examination; 2) sheen screening; and/or 3) or photoionization detector (PID). The results of headspace and sheen screening are included in the boring logs for soil samples tested by chemical analysis.

Visual screening consists of inspecting the soil for stains indicative of petroleum-related contamination. Visual screening is generally more effective when contamination is related to heavy petroleum hydrocarbons, such as motor oil or hydraulic oil, or when hydrocarbon concentrations are high. Sheen screening and headspace vapor screening are more sensitive methods that have been effective in detecting contamination at concentrations less than regulatory cleanup guidelines. Sheen screening

involves placing soil in a pan of water and observing the water surface for signs of sheen. Sheen classifications are as follows:

No Sheen (NS) No visible sheen on water surface.

Slight Sheen (SS) Light, colorless, dull sheen; spread is irregular, not rapid; sheen

dissipates rapidly.

Moderate Sheen (MS) Light to heavy sheen, may have some color/iridescence; spread is

irregular to flowing; few remaining areas of no sheen on water surface.

Heavy Sheen (HS) Heavy sheen with color/iridescence; spread is rapid; entire water surface

may be covered with sheen.

Headspace vapor screening involves placing a soil sample in a plastic sample bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a PID is inserted in the bag and the instrument measures the concentration of combustible vapor in the air removed from the sample headspace. The PID measures concentrations in ppm (parts per million) and is calibrated to isobutylene. The PID is designed to quantify combustible gas and organic vapor concentrations up to 2,500 ppm. Field screening results are site-specific and vary with soil type, soil moisture content, temperature and type of contaminant.

Groundwater Sampling

Depth to Groundwater

The depths to the groundwater table relative to ground surface were measured using an electric water level indicator. The electric indicator was cleaned with a Liqui-Nox® solution wash and a distilled water rinse prior to use in each well.

Groundwater Sampling

Groundwater samples were obtained as grab samples using low-flow sampling techniques from the direct-push boring. A slotted stainless steel screen was positioned within the boring. Water samples were collected using disposable tubing and peristaltic pump. The water samples were transferred to laboratory-prepared sample containers and kept cool during transport to the testing laboratory. The sample containers were filled completely to eliminate headspace in the container. Chain-of-custody procedures were followed in transporting the water samples to the testing laboratory.

Investigative Waste Disposal

Drill cuttings and decontamination/purge water generated during drilling activities were placed in sealed and labeled 35- and/or 55-gallon drums at a secure location on the subject property pending permitted disposal.

SOIL CLASSIFICATION CHART

NA.	AJOR DIVISI	ONS	SYMI	BOLS	TYPICAL	
IVI				LETTER	DESCRIPTIONS	
	GRAVEL	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES	
	AND GRAVELLY SOILS	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES	
COARSE GRAINED SOILS	MORE THAN 50% OF COARSE FRACTION	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES	
55.25	RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES	
MORE THAN 50%	SAND	CLEAN SANDS		sw	WELL-GRADED SANDS, GRAVELLY SANDS	
RETAINED ON NO. 200 SIEVE	AND SANDY SOILS	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND	
	MORE THAN 50% OF COARSE FRACTION	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES	
	PASSING NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		sc	CLAYEY SANDS, SAND - CLAY MIXTURES	
				ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY	
FINE GRAINED	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
SOILS		ML LIQUID LIMIT CL	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		
MORE THAN 50% PASSING NO. 200 SIEVE				МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS	
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY	
			H	ОН	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY	
HIG	GHLY ORGANIC S	SOILS		PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

2.4-inch I.D. split barrel
Standard Penetration Test (SPT)
Shelby tube

Piston

Direct-Push

Bulk or grab

Continuous Coring

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

A "WOH" indicates sampler pushed using the weight of the hammer.

ADDITIONAL MATERIAL SYMBOLS

SYMI	BOLS	TYPICAL
GRAPH	LETTER	DESCRIPTIONS
	AC	Asphalt Concrete
	СС	Cement Concrete
33	CR	Crushed Rock/ Quarry Spalls
	TS	Topsoil/ Forest Duff/Sod

Groundwater Contact



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

Graphic Log Contact

Distinct contact between soil strata



Approximate contact between soil

Material Description Contact

Contact between geologic units

Contact between soil of the same geologic unit

Laboratory / Field Tests

Percent fines %G Percent gravel ΑL Atterberg limits CA CP Chemical analysis Laboratory compaction test cs Consolidation test DS **Direct shear** HΑ Hydrometer analysis MC Moisture content MD Moisture content and dry density OC Organic content PM Permeability or hydraulic conductivity Plasticity index ы PP Pocket penetrometer **PPM** Parts per million SA Sieve analysis TX Triaxial compression Unconfined compression UC vs Vane shear **Sheen Classification**

NS No Visible Sheen
SS Slight Sheen
MS Moderate Sheen
HS Heavy Sheen
NT Not Tested

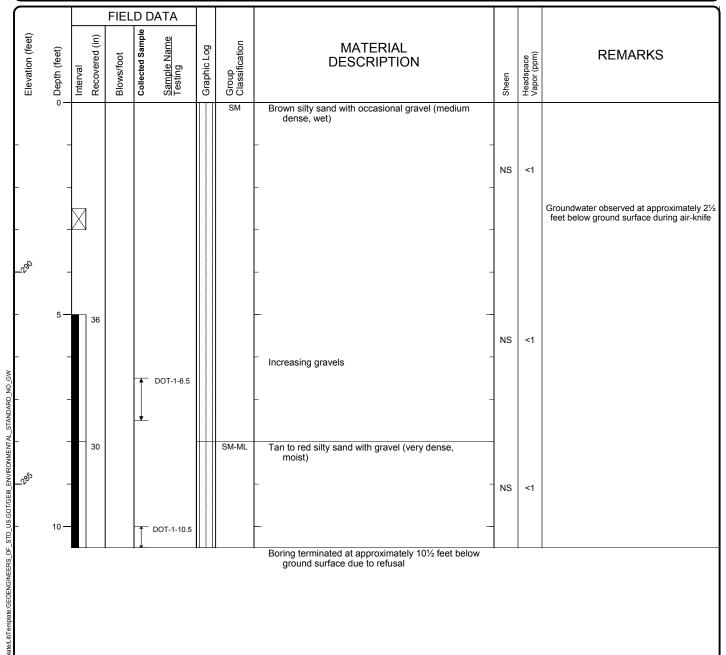
NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS



FIGURE A-1

<u>Start</u> Drilled 10/28/2016	<u>End</u> 10/28/2016	Total Depth (ft)	10.5	Logged By Checked By		Driller Probe Standard Environmental Probe Drilling Method Direct-Push		
Surface Elevation (ft) Vertical Datum	_	294 VD88				Drilling Equipment	Geoprobe 5410	
Latitude Longitude		49434 866522		System Datum		Geographic WGS84	Groundwate	Depth to
Notes: Air-knife to 5 feet below ground surface								See Remarks



Note: See Figure A-1 for explanation of symbols.

Log of Direct-Push Boring DOT-1



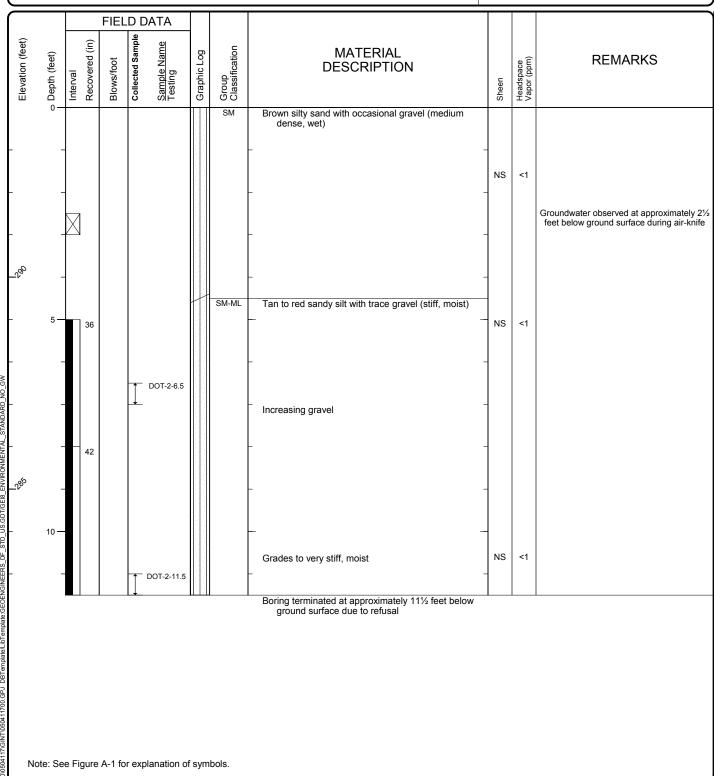
Project: Toledo-SWRO tanks Model Remedies

Project Location: Toledo, Washington

Project Number: 0504-117-00

Figure A- 2 Sheet 1 of 1

<u>Start</u> Drilled 10/28/2016	<u>End</u> 10/28/2016	Total Depth (ft)	11.5	Logged By Checked By	SJB TNO	Standard Environ Driller Probe	Drilling Method Direct-Push	
Surface Elevation (ft) Vertical Datum	_	294 VD88		Hammer Data	140	Pneumatic (lbs) / 30 (in) Drop	Drilling Equipment	Geoprobe 5410
Latitude Longitude		49418 866465		System Datum		Geographic WGS84	Groundwate	Depth to
Notes: Air-knife to 5 feet below ground surface								See Remarks



Log of Direct-Push Boring DOT-2



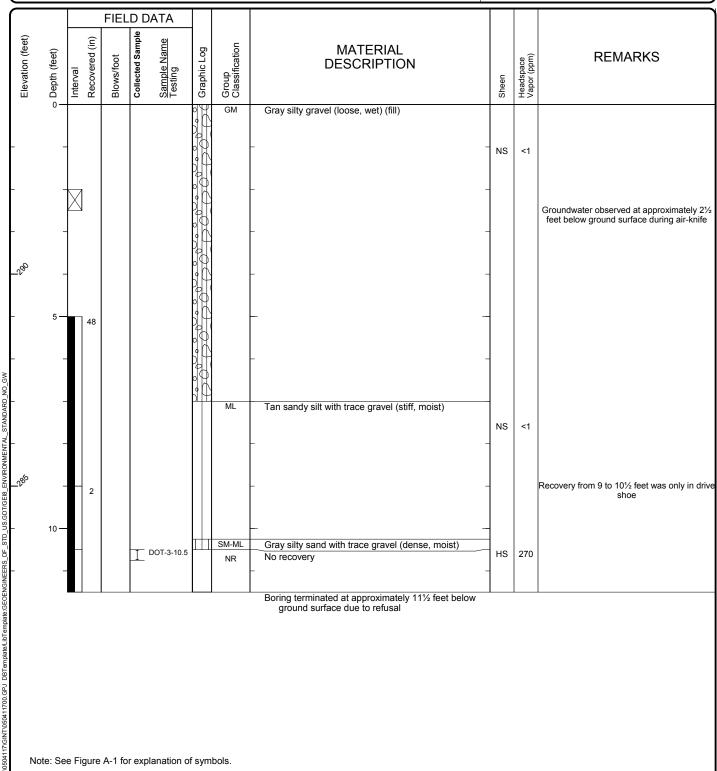
Project: Toledo-SWRO tanks Model Remedies

Project Location: Toledo, Washington

Project Number: 0504-117-00

Figure A-3 Sheet 1 of 1

<u>Start</u> Drilled 10/28/2016	<u>End</u> 10/28/2016	Total Depth (ft)	11.5	Logged By Checked By		Driller Standard Environmental Probe Drilling Method Direct-Push		
Surface Elevation (ft) Vertical Datum	_	294 VD88				Drilling Equipment	Geoprobe 5410	
Latitude Longitude		49369 866479		System Datum		Geographic WGS84	Groundwate	Depth to
Notes: Air-knife to 5 feet below ground surface								See Remarks



Log of Direct-Push Boring DOT-3



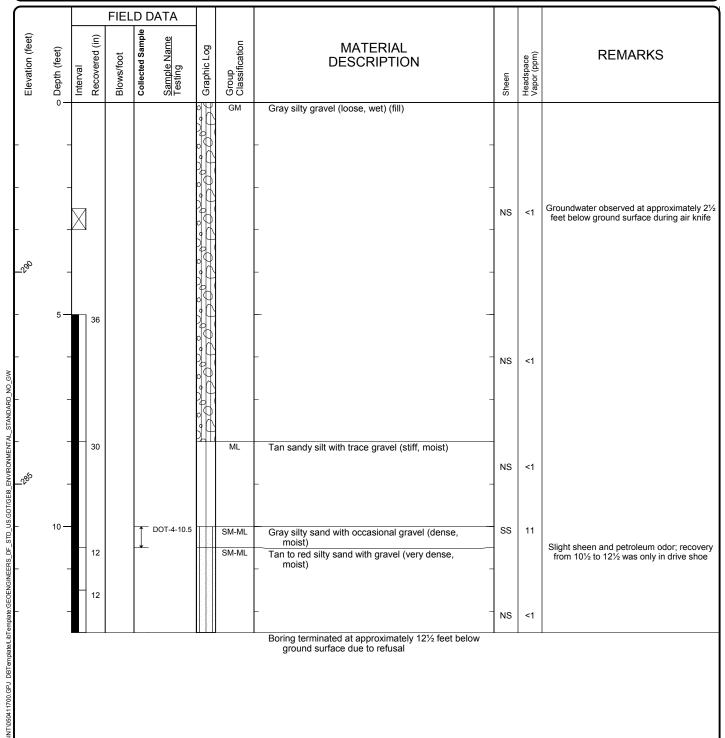
Project: Toledo-SWRO tanks Model Remedies

Project Location: Toledo, Washington

Project Number: 0504-117-00

Figure A-4 Sheet 1 of 1

<u>Start</u> Drilled 10/28/2016	<u>End</u> 10/28/2016	Total Depth (ft)	12.5	Logged By Checked By		Driller Standard Environmental Probe Drilling Method Direct-Push		
Surface Elevation (ft) Vertical Datum	_	294 VD88				Drilling Equipment	Geoprobe 5410	
Latitude Longitude		49383 866442		System Datum		Geographic WGS84	Groundwate	Depth to
Notes: Air-knife to 5 feet below ground surface								See Remarks



Log of Direct-Push Boring DOT-4



Note: See Figure A-1 for explanation of symbols.

Project: Toledo-SWRO tanks Model Remedies

Project Location: Toledo, Washington

Project Number: 0504-117-00

Figure A-5 Sheet 1 of 1

APPENDIX B Laboratory Analytical Report



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

November 8, 2016

Sydney Bronson GeoEngineers, Inc. 8410 154th Avenue NE Redmond, WA 98052

Re: Analytical Data for Project 00504-117-00

Laboratory Reference No. 1610-330

Dear Sydney:

Enclosed are the analytical results and associated quality control data for samples submitted on October 29, 2016.

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

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

Sincerely,

David Baumeister Project Manager

Enclosures

Project: 00504-117-00

Case Narrative

Samples were collected on October 28, 2016 and received by the laboratory on October 29, 2016. They were maintained at the laboratory at a temperature of 2° C to 6° C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

NWTPH-Gx and Volatiles EPA 8260C (soil) Analysis

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

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

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ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
DOT-1-102816	10-330-01	Water	10-28-16	10-29-16	
DOT-2-102816	10-330-02	Water	10-28-16	10-29-16	
DOT-3-102816	10-330-03	Water	10-28-16	10-29-16	
DOT-4-102816	10-330-04	Water	10-28-16	10-29-16	
DOT-1-10.5	10-330-06	Soil	10-28-16	10-29-16	
DOT-2-11.5	10-330-08	Soil	10-28-16	10-29-16	
DOT-3-10.5	10-330-09	Soil	10-28-16	10-29-16	
DOT-4-10.5	10-330-10	Soil	10-28-16	10-29-16	

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NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Ome. 49, 2 (pps)				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-1-102816					
Laboratory ID:	10-330-01					
Gasoline	ND	100	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	82	61-118				
Client ID:	DOT-2-102816					
Laboratory ID:	10-330-02					
Gasoline	ND	100	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	81	61-118				
Client ID:	DOT-3-102816					
Laboratory ID:	10-330-03					
Gasoline	ND	100	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	87	61-118				
Client ID:	DOT-4-102816					
Laboratory ID:	10-330-04					
Gasoline	ND	100	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	87	61-118				

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NWTPH-Gx

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-1-10.5					
Laboratory ID:	10-330-06					
Gasoline	ND	12	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	108	63-124				
Client ID:	DOT-2-11.5					
Laboratory ID:	10-330-08					
Gasoline	ND	8.6	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	110	63-124				
Client ID:	DOT-3-10.5					
Laboratory ID:	10-330-09					
Gasoline	290	56	NWTPH-Gx	11-1-16	11-1-16	0
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	99	63-124				
Client ID:	DOT-4-10.5					
Laboratory ID:	10-330-10					
Gasoline	ND	13	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	111	63-124				

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NWTPH-Dx

Matrix: Water Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-1-102816					
Laboratory ID:	10-330-01					
Diesel Range Organics	ND	0.27	NWTPH-Dx	11-4-16	11-4-16	_
Lube Oil Range Organics	ND	0.43	NWTPH-Dx	11-4-16	11-4-16	
Surrogate:	Percent Recovery	Control Limits				_
o-Terphenyl	94	50-150				
Client ID:	DOT-2-102816					
Laboratory ID:	10-330-02					
Diesel Range Organics	ND	0.29	NWTPH-Dx	11-4-16	11-4-16	
Lube Oil Range Organics	ND	0.46	NWTPH-Dx	11-4-16	11-4-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	99	50-150				
Client ID:	DOT-3-102816					
Laboratory ID:	10-330-03					
Diesel Range Organics	ND	0.31	NWTPH-Dx	11-4-16	11-4-16	
Lube Oil Range Organics	ND	0.50	NWTPH-Dx	11-4-16	11-4-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	94	50-150				
Client ID:	DOT-4-102816					
Laboratory ID:	10-330-04					
Diesel Range Organics	ND	0.31	NWTPH-Dx	11-4-16	11-4-16	
Lube Oil Range Organics	ND	0.50	NWTPH-Dx	11-4-16	11-4-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	93	50-150				

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NWTPH-Dx

Matrix: Soil

Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-1-10.5					
Laboratory ID:	10-330-06					
Diesel Range Organics	ND	37	NWTPH-Dx	11-2-16	11-2-16	
Lube Oil Range Organics	ND	75	NWTPH-Dx	11-2-16	11-2-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	86	50-150				
Client ID:	DOT-2-11.5					
Laboratory ID:	10-330-08					
Diesel Range Organics	ND	34	NWTPH-Dx	11-2-16	11-2-16	
Lube Oil Range Organics	ND	67	NWTPH-Dx	11-2-16	11-2-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	90	50-150				
Client ID:	DOT-3-10.5					
Laboratory ID:	10-330-09					
Diesel Fuel #2	440	38	NWTPH-Dx	11-2-16	11-2-16	
Lube Oil Range Organics	ND	76	NWTPH-Dx	11-2-16	11-2-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	97	50-150				
Client ID:	DOT-4-10.5					
Laboratory ID:						
Laboratory ID.	10-330-10					
Diesel Fuel #2	10-330-10 120	35	NWTPH-Dx	11-2-16	11-2-16	
	120 ND	71	NWTPH-Dx NWTPH-Dx	11-2-16 11-2-16	11-2-16 11-2-16	
Diesel Fuel #2	120					

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Matrix: Water Units: ug/L

- · · · · · · · · · · · · · · · · · · ·				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-1-102816					
Laboratory ID:	10-330-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloromethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Vinyl Chloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Acetone	ND	9.2	EPA 8260C	11-1-16	11-1-16	
Iodomethane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride	ND	1.0	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate	ND	1.0	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Butanone	ND	5.0	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroform	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Benzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Trichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Dibromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether	ND	1.9	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	11-1-16	11-1-16	
Toluene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-1-102816					
Laboratory ID:	10-330-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	2.9	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	108	77-129				

4-Bromofluorobenzene

Toluene-d8

80-127

80-125

101

96

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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-2-102816					
Laboratory ID:	10-330-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloromethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Vinyl Chloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Acetone	ND	9.2	EPA 8260C	11-1-16	11-1-16	
lodomethane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride	ND	1.0	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate	ND	1.0	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Butanone	ND	5.0	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroform	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Benzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Trichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Dibromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether	ND	1.9	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	11-1-16	11-1-16	
Toluene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-2-102816					
Laboratory ID:	10-330-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	2.9	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				<u> </u>
Dibromofluoromethane	106	77-120				

Surrogate: Percent Recovery Control Limi
Dibromofluoromethane 106 77-129
Toluene-d8 103 80-127
4-Bromofluorobenzene 98 80-125



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Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-3-102816					
Laboratory ID:	10-330-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloromethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Vinyl Chloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Acetone	ND	9.2	EPA 8260C	11-1-16	11-1-16	
Iodomethane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride	ND	1.0	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate	ND	1.0	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Butanone	ND	5.0	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroform	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Benzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Trichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Dibromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether	ND	1.9	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	11-1-16	11-1-16	
Toluene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-3-102816					
Laboratory ID:	10-330-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	2.9	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	108	77-129				

Dibromofluoromethane 108 77-129
Toluene-d8 102 80-127
4-Bromofluorobenzene 96 80-125



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Matrix: Water Units: ug/L

Analyte Result PQL Method Prepared Analyzed Flags					Date	Date	
Laboratory ID: 10-330-04 Dichlorodifluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloromethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.20 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Idomethylene Chloride ND 1.0	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodiffluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloromethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroffluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 <th>Client ID:</th> <th>DOT-4-102816</th> <th></th> <th></th> <th></th> <th></th> <th></th>	Client ID:	DOT-4-102816					
Chloromethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichlorosethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16	Laboratory ID:	10-330-04					
Vinyl Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichloroftuoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Load Methane ND 1.3 EPA 8260C 11-1-16 11-1-16 Load Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16	Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.20 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16 Q.2-Dichloroptopane ND 0.20 EPA 8260C 11-1-16 11-1	Chloromethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyle Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16 <td>Vinyl Chloride</td> <td>ND</td> <td>0.20</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Vinyl Chloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 </td <td>Bromomethane</td> <td>ND</td> <td>0.20</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Bromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Robust ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11	Chloroethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Acetone	Trichlorofluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methyl Eburyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 <	1,1-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16	Acetone	ND	9.2	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16	lodomethane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16	Carbon Disulfide	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 <	Methylene Chloride	ND	1.0	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 <td>(trans) 1,2-Dichloroethene</td> <td>ND</td> <td>0.20</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16	Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-	1,1-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-1	Vinyl Acetate	ND	1.0	EPA 8260C	11-1-16	11-1-16	
2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 1.9 EPA 8260C 11-1-16 11-1-1	2,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C	(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-	2-Butanone	ND	5.0	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 1.9 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 1.0	Bromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 1.0 EPA 8260C 11-1-16 11-1-16	Chloroform	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Carbon Tetrachloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,1-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Benzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,2-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Trichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Dibromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Bromodichloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	2-Chloroethyl Vinyl Ether	ND	1.9	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16		ND	2.0	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16		ND	1.0	EPA 8260C	11-1-16	11-1-16	
	(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-4-102816					
Laboratory ID:	10-330-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	2.9	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				<u> </u>
Dibromofluoromethane	101	77-120				

Surrogate: Percent Recovery Control Limit
Dibromofluoromethane 101 77-129
Toluene-d8 100 80-127
4-Bromofluorobenzene 95 80-125



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Matrix: Soil Units: mg/kg

Client ID: DOT-1-10.5 Laboratory ID: 10-330-06 Dichlorodifluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloromethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.016 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.0016 EPA 8260C 11-1-16 11-1-16					Date	Date	
Laboratory ID:	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodiffluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloromethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichlorothene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.0016 EPA 8260C 11-1-16 11-1-16 Indomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Indomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Indomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Wethylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16	Client ID:	DOT-1-10.5					
Chloromethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.016 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 <td< td=""><td>Laboratory ID:</td><td>10-330-06</td><td></td><td></td><td></td><td></td><td></td></td<>	Laboratory ID:	10-330-06					
Vinyl Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methylene Chlorotethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0016 EPA 8260C 11-1-16	Dichlorodifluoromethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Bromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.016 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0016 EPA 8260C 11-1-16 <td>Chloromethane</td> <td>ND</td> <td>0.0078</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Chloromethane	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
Chloroethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.016 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyle Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.0016 EPA 8260C 11	Vinyl Chloride	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.016 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Buryl Ether ND 0.0016 EPA 8260C <td>Bromomethane</td> <td>ND</td> <td>0.0016</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Bromomethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Acetone ND 0.016 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0016 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethane ND 0.0016 EPA 8260C <td>Chloroethane</td> <td>ND</td> <td>0.0078</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Chloroethane	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
Acetone	Trichlorofluoromethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Iodomethane ND 0.0078 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0078 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0016 EPA 8260C <td< td=""><td>1,1-Dichloroethene</td><td>ND</td><td>0.0016</td><td>EPA 8260C</td><td>11-1-16</td><td>11-1-16</td><td></td></td<>	1,1-Dichloroethene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0016 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C </td <td>Acetone</td> <td>ND</td> <td>0.016</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Acetone	ND	0.016	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride ND 0.0078 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0078 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chlorothane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C	Iodomethane	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0078 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chlorotorm ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C	Carbon Disulfide	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0078 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C	Methylene Chloride	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.0078 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0078 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C <	(trans) 1,2-Dichloroethene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate ND 0.0078 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C	Methyl t-Butyl Ether	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C	1,1-Dichloroethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloropropane ND 0.0016 EPA 8260C	Vinyl Acetate	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
2-Butanone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 1	2,2-Dichloropropane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C	(cis) 1,2-Dichloroethene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Chloroform ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260	2-Butanone	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16	Bromochloromethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C <td>Chloroform</td> <td>ND</td> <td>0.0016</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Chloroform	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	1,1,1-Trichloroethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Benzene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0078 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	Carbon Tetrachloride	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	1,1-Dichloropropene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Trichloroethene ND 0.0016 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	Benzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	1,2-Dichloroethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Dibromomethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	Trichloroethene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane ND 0.0016 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	1,2-Dichloropropane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether ND 0.0078 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	Dibromomethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	Bromodichloromethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16	2-Chloroethyl Vinyl Ether	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone ND 0.0078 EPA 8260C 11-1-16 11-1-16 Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16		ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Toluene ND 0.0078 EPA 8260C 11-1-16 11-1-16		ND	0.0078	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene ND 0.0016 EPA 8260C 11-1-16 11-1-16		ND	0.0078	EPA 8260C	11-1-16	11-1-16	
	(trans) 1,3-Dichloropropene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-1-10.5					
Laboratory ID:	10-330-06					
1,1,2-Trichloroethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.0031	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.0078	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.0016	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	73-134				
Toluene-d8	104	81-124				

4-Bromofluorobenzene 105 80-131



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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-2-11.5					
Laboratory ID:	10-330-08					
Dichlorodifluoromethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Chloromethane	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
Vinyl Chloride	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Bromomethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Chloroethane	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Acetone	ND	0.014	EPA 8260C	11-1-16	11-1-16	
Iodomethane	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
2-Butanone	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Chloroform	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Benzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Trichloroethene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Dibromomethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
Toluene	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-2-11.5					
Laboratory ID:	10-330-08					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.0028	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
ert-Butylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
o-Isopropyltoluene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
-lexachlorobutadiene	ND	0.0070	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	104	73-134				
Toluene-d8	104	81-124				

4-Bromofluorobenzene

80-131

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-3-10.5					
Laboratory ID:	10-330-09					
Dichlorodifluoromethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Chloromethane	ND	0.50	EPA 8260C	11-1-16	11-1-16	
Vinyl Chloride	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Bromomethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Chloroethane	ND	0.50	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Acetone	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Iodomethane	ND	0.50	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride	ND	0.50	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate	ND	0.50	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
2-Butanone	ND	0.50	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Chloroform	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Benzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Trichloroethene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Dibromomethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether	ND	0.50	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone	ND	0.50	EPA 8260C	11-1-16	11-1-16	
Toluene	ND	0.50	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene	ND	0.10	EPA 8260C	11-1-16	11-1-16	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-3-10.5					
Laboratory ID:	10-330-09					
1,1,2-Trichloroethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	0.50	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.10	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	0.23	0.10	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	0.20	0.10	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	0.50	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.50	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.10	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	96	73-134				

Surrogate: Percent Recovery Control Limi
Dibromofluoromethane 96 73-134
Toluene-d8 107 81-124
4-Bromofluorobenzene 112 80-131



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Matrix: Soil Units: mg/kg

Client ID: DOT-4-10.5 Laboratory ID: 10-330-10 Dichlorodifluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloromethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.0013 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	ags
Laboratory ID: 10-330-10 Dichlorodifluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloromethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.0013 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Dichlorodifluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloromethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.0013 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Chloromethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.0013 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Vinyl Chloride ND 0.0013 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Bromomethane ND 0.0013 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Chloroethane ND 0.0065 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Trichlorofluoromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
1,1-Dichloroethene ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Acetone 0.045 0.013 EPA 8260C 11-1-16 11-1-16	
Iodomethane ND 0.0065 EPA 8260C 11-1-16 11-1-16	
Carbon Disulfide ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Methylene Chloride ND 0.0065 EPA 8260C 11-1-16 11-1-16	
(trans) 1,2-Dichloroethene ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Methyl t-Butyl Ether ND 0.0013 EPA 8260C 11-1-16 11-1-16	
1,1-Dichloroethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Vinyl Acetate ND 0.0065 EPA 8260C 11-1-16 11-1-16	
2,2-Dichloropropane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
(cis) 1,2-Dichloroethene ND 0.0013 EPA 8260C 11-1-16 11-1-16	
2-Butanone ND 0.0065 EPA 8260C 11-1-16 11-1-16	
Bromochloromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Chloroform ND 0.0013 EPA 8260C 11-1-16 11-1-16	
1,1,1-Trichloroethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Carbon Tetrachloride ND 0.0013 EPA 8260C 11-1-16 11-1-16	
1,1-Dichloropropene ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Benzene ND 0.0013 EPA 8260C 11-1-16 11-1-16	
1,2-Dichloroethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Trichloroethene ND 0.0013 EPA 8260C 11-1-16 11-1-16	
1,2-Dichloropropane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Dibromomethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Bromodichloromethane ND 0.0013 EPA 8260C 11-1-16 11-1-16	
2-Chloroethyl Vinyl Ether ND 0.0065 EPA 8260C 11-1-16 11-1-16	
(cis) 1,3-Dichloropropene ND 0.0013 EPA 8260C 11-1-16 11-1-16	
Methyl Isobutyl Ketone ND 0.0065 EPA 8260C 11-1-16 11-1-16	
Toluene ND 0.0065 EPA 8260C 11-1-16 11-1-16	
(trans) 1,3-Dichloropropene ND 0.0013 EPA 8260C 11-1-16 11-1-16	

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				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DOT-4-10.5					
Laboratory ID:	10-330-10					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	0.0065	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.0026	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	0.016	0.0013	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	0.033	0.0013	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
o-Isopropyltoluene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	0.013	0.0013	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
-lexachlorobutadiene	ND	0.0065	EPA 8260C	11-1-16	11-1-16	
Naphthalene	0.0068	0.0013	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	106	73-134				
Toluene-d8	105	81-124				

4-Bromofluorobenzene

80-131

115

Project: 00504-117-00

TOTAL LEAD EPA 200.8

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID:	10-330-01					
Client ID:	DOT-1-102816					
Lead	2600	11	200.8	10-31-16	1-1-16	
Lab ID:	10-330-02					
Client ID:	DOT-2-102816					
Lead	570	11	200.8	10-31-16	1-1-16	
Lab ID:	10-330-03					
Client ID:	DOT-3-102816					
Lead	150	1.1	200.8	10-31-16	10-31-16	
Lab ID:	10-330-04					
Client ID:	DOT-4-102816					
Lead	84	1.1	200.8	10-31-16	10-31-16	

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TOTAL LEAD EPA 6010C

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID:	10-330-06					
Client ID:	DOT-1-10.5					
Lead	8.9	7.5	6010C	11-7-16	11-7-16	
Lab ID:	10-330-08					
Client ID:	DOT-2-11.5					
Lead	ND	6.7	6010C	11-7-16	11-7-16	
Lab ID:	10-330-09					
Client ID:	DOT-3-10.5					
Lead	ND	7.6	6010C	11-7-16	11-7-16	
Lab ID:	10-330-10					
Client ID:	DOT-4-10.5					
Lead	15	7.0	6010C	11-7-16	11-7-16	

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DISSOLVED LEAD EPA 200.8

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: Client ID:	10-330-01 DOT-1-102816					
Lead	6.6	1.0	200.8		10-31-16	
Lab ID: Client ID:	10-330-02 DOT-2-102816					
Lead	1.5	1.0	200.8		10-31-16	
Lab ID: Client ID:	10-330-03 DOT-3-102816					
Lead	2.3	1.0	200.8		10-31-16	
Lab ID: Client ID:	10-330-04 DOT-4-102816					
Lead	4.8	1.0	200.8		10-31-16	

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NWTPH-Gx QUALITY CONTROL

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1101W1					
Gasoline	ND	100	NWTPH-Gx	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	83	61-118				

					Source	Perce	ent	Recovery		RPD	
Analyte	Result		Spike Level		Result	Recovery		Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	10-33	39-01									
	ORIG	DUP									
Gasoline	ND	ND	NA	NA		NA		NA	NA	30	
Surrogate:				•	•	•				•	•
Fluorobenzene						84	79	61-118			

-luorobenzene

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NWTPH-Gx QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

• Ing/kg (ppin)		D	501		4 1	Date	Date		
Analyte		Result	PQL	Method		Prepared	Analyz	ea	Flags
METHOD BLANK									
Laboratory ID:		MB1101S1							
Gasoline		ND	5.0	NWT	TPH-Gx	11-1-16	11-1-1	16	
Surrogate:	Pei	rcent Recove	ery Control Lim	its					
Fluorobenzene		89	63-124						
				Source	Percen	t Recovery		RPD	
Analyte	Res	sult	Spike Level	Result Recover		y Limits	RPD	Limit	Flags
DUPLICATE									
Laboratory ID:	10-34	10-06							
	ORIG	DUP							
Gasoline	ND	ND	NA NA		NA	NA	NA	30	
Surrogate:							•	•	
Fluorobenzene					95 9	63-124			

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NWTPH-Dx QUALITY CONTROL

Matrix: Water Units: mg/L (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1104W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	11-4-16	11-4-16	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	11-4-16	11-4-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	80	50-150				

					Source	Perc	ent	Recovery		RPD	
Analyte	Res	sult	Spike Level		Result	Recovery		Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	10-29	92-01									
	ORIG	DUP									
Diesel Range	ND	ND	NA	NA		N	A	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA		N.	A	NA	NA	NA	
Surrogate:											
o-Terphenyl						86	93	50-150			

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NWTPH-Dx QUALITY CONTROL

Matrix: Soil

Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						_
Laboratory ID:	MB1102S1					
Diesel Range Organics	ND	25	NWTPH-Dx	11-2-16	11-2-16	
Lube Oil Range Organics	ND	50	NWTPH-Dx	11-2-16	11-2-16	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	123	50-150				

					Source	Percent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	10-29	92-06								
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						114 108	50-150			

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VOLATILES by EPA 8260C METHOD BLANK QUALITY CONTROL

page 1 of 2

Matrix: Water Units: ug/L

Laboratory ID: MB1101W1 Dichlorodiffluoromethane ND					Date	Date	
Dichlorodiffluoromethane	Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Dichlorodiffluoromethane							
Chloromethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Vinyl Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16	Laboratory ID:	MB1101W1					
Vinyl Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 I,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16	Dichlorodifluoromethane			EPA 8260C		11-1-16	
Bromomethane ND 0.20	Chloromethane					_	
Chloroethane ND 1.0 EPA 8260C 11-1-16 11-1-16 Trichloroftluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Idodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyle Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 </td <td>Vinyl Chloride</td> <td>ND</td> <td>0.20</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Vinyl Chloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methyl EButyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl L-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl L-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl L-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 1	Bromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 Iodomethane ND 1.3 EPA 8260C 11-1-16 11-1-16 Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methyle Educy ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl I-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Minyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2.2-Dichloroptopane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16	Chloroethane	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Acetone ND 9.2 EPA 8260C 11-1-16 11-1-16 10domethane ND 1.3 EPA 8260C 11-1-16	Trichlorofluoromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
ND	1,1-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide ND 0.20 EPA 8260C 11-1-16 11-1-16 Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 0.20 EPA 8260C 11-1-16 11-1-16 2-2-Dichloroptane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-1	Acetone	ND	9.2	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride ND 1.0 EPA 8260C 11-1-16 11-1-16 (trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-1-Tichloroethane ND 0.20 EPA 8260C 11-1-16	lodomethane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16<	Carbon Disulfide	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16	Methylene Chloride	ND	1.0	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 <	(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate ND 1.0 EPA 8260C 11-1-16 11-1-16 2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 2,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16	Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 (cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-	1,1-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Butanone ND 5.0 EPA 8260C 11-1-16 11-1-16 Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 <td>Vinyl Acetate</td> <td>ND</td> <td>1.0</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	Vinyl Acetate	ND	1.0	EPA 8260C	11-1-16	11-1-16	
ND S.0 EPA 8260C 11-1-16 11-1-16 11-1-16 EPA 8260C 11-1-16 11-1-16 EPA 8260C 11-1-16 EPA 8260C 11-1-16 EPA 8260C 11-1-16 EPA 8260C EPA 8260C	2,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 <td>(cis) 1,2-Dichloroethene</td> <td>ND</td> <td>0.20</td> <td>EPA 8260C</td> <td>11-1-16</td> <td>11-1-16</td> <td></td>	(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chloroform ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-	2-Butanone	ND	5.0	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 1.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA	Bromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride ND 0.20 EPA 8260C 11-1-16 11-1-16 1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16	Chloroform	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Carbon Tetrachloride	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Benzene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloroethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,1-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Trichloroethene ND 0.20 EPA 8260C 11-1-16 11-1-16 1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Benzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane ND 0.20 EPA 8260C 11-1-16 11-1-16 Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,2-Dichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Dibromomethane ND 0.20 EPA 8260C 11-1-16 11-1-16 Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Trichloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane ND 0.20 EPA 8260C 11-1-16 11-1-16 2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	1,2-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Dibromomethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether ND 1.9 EPA 8260C 11-1-16 11-1-16 (cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Bromodichloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16 Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	2-Chloroethyl Vinyl Ether	ND			11-1-16	11-1-16	
Methyl Isobutyl Ketone ND 2.0 EPA 8260C 11-1-16 11-1-16 Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	(cis) 1,3-Dichloropropene	ND		EPA 8260C		11-1-16	
Toluene ND 1.0 EPA 8260C 11-1-16 11-1-16	Methyl Isobutyl Ketone		2.0		11-1-16	11-1-16	
	Toluene						
(trans) 1,3-Dichloropropene ND 0.20 EPA 8260C 11-1-16 11-1-16	(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-1-16	11-1-16	

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VOLATILES by EPA 8260C METHOD BLANK QUALITY CONTROL

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
7 mary to	rooun		mourou	. ropa.oa	7a.y 20 a	1 1490
Laboratory ID:	MB1101W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	2.9	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.40	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	1.0	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane	ND	1.3	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	1.0	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery					

Surrogate:	Percent Recovery	Control Limits
Dibromofluoromethane	105	77-129
Toluene-d8	100	80-127
4-Bromofluorobenzene	97	80-125



Project: 00504-117-00

VOLATILES by EPA 8260C SB/SBD QUALITY CONTROL

Matrix: Water Units: ug/L

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB11	01W1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.90	10.5	10.0	10.0	99	105	63-127	6	17	
Benzene	10.3	10.5	10.0	10.0	103	105	76-121	2	12	
Trichloroethene	9.16	8.88	10.0	10.0	92	89	64-114	3	15	
Toluene	10.3	10.1	10.0	10.0	103	101	82-115	2	13	
Chlorobenzene	9.76	9.74	10.0	10.0	98	97	80-115	0	14	
Surrogate:										
Dibromofluoromethane					99	105	77-129			
Toluene-d8					101	101	80-127			
4-Bromofluorobenzene					93	97	80-125			

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VOLATILES by EPA 8260C METHOD BLANK QUALITY CONTROL

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Matrix: Soil Units: mg/kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB1101S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Chloromethane	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
Vinyl Chloride	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Bromomethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Chloroethane	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Acetone	ND	0.010	EPA 8260C	11-1-16	11-1-16	
Iodomethane	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
Carbon Disulfide	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Methylene Chloride	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Vinyl Acetate	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
2-Butanone	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
Bromochloromethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Chloroform	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Benzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Trichloroethene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Dibromomethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Bromodichloromethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
Toluene	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
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VOLATILES by EPA 8260C METHOD BLANK QUALITY CONTROL

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Allalyte	Result	FQL	Wethou	гтератец	Allalyzeu	riays
Laboratory ID:	MB1101S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Tetrachloroethene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
2-Hexanone	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
Dibromochloromethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Chlorobenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Ethylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
m,p-Xylene	ND	0.0020	EPA 8260C	11-1-16	11-1-16	
o-Xylene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Styrene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Bromoform	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Isopropylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Bromobenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
n-Propylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
2-Chlorotoluene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
4-Chlorotoluene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
tert-Butylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
sec-Butylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
n-Butylbenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2-Dibromo-3-chloropropane		0.0050	EPA 8260C	11-1-16	11-1-16	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	11-1-16	11-1-16	
Naphthalene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	11-1-16	11-1-16	
Surrogate:	Percent Recovery	Control Limits	/. 52555			
Dibromofluoromethane	110	73-134				
טוטוטווטוועטוטווetriane	110	13-134				

4-Bromofluorobenzene

Toluene-d8

81-124

80-131

111

107

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VOLATILES by EPA 8260C SB/SBD QUALITY CONTROL

Matrix: Soil Units: mg/kg

					Per	cent	Recovery		RPD	
Analyte	Result		Spike	Spike Level		overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB11	01S2								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0479	0.0508	0.0500	0.0500	96	102	66-127	6	15	
Benzene	0.0479	0.0511	0.0500	0.0500	96	102	76-122	6	15	
Trichloroethene	0.0465	0.0476	0.0500	0.0500	93	95	78-120	2	15	
Toluene	0.0506	0.0507	0.0500	0.0500	101	101	83-120	0	15	
Chlorobenzene	0.0485	0.0503	0.0500	0.0500	97	101	81-120	4	15	
Surrogate:										
Dibromofluoromethane					97	102	73-134			
Toluene-d8					99	102	81-124			
4-Bromofluorobenzene					97	100	80-131			

Project: 00504-117-00

TOTAL LEAD EPA 200.8 METHOD BLANK QUALITY CONTROL

Date Extracted: 10-31-16
Date Analyzed: 10-31-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1031WM1

Analyte Method Result PQL

Lead 200.8 **ND** 1.1

Project: 00504-117-00

TOTAL LEAD EPA 200.8 DUPLICATE QUALITY CONTROL

Date Extracted: 10-31-16
Date Analyzed: 10-31-16

Matrix: Water Units: ug/L (ppb)

Lab ID: 10-269-04

Sample Duplicate
Analyte Result Result RPD PQL Flags
Lead ND ND NA 1.1

Project: 00504-117-00

TOTAL LEAD EPA 200.8 MS/MSD QUALITY CONTROL

Date Extracted: 10-31-16
Date Analyzed: 10-31-16

Matrix: Water Units: ug/L (ppb)

Lab ID: 10-269-04

	Spike		Percent		Percent		
Analyte	Level	MS	Recovery	MSD	Recovery	RPD	Flags
Lead	222	214	96	221	100	3	

Project: 00504-117-00

TOTAL LEAD EPA 6010C METHOD BLANK QUALITY CONTROL

Date Extracted: 11-7-16
Date Analyzed: 11-7-16

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: MB1107SM2

Analyte Method Result PQL

Lead 6010C **ND** 5.0

Project: 00504-117-00

TOTAL LEAD EPA 6010C DUPLICATE QUALITY CONTROL

Date Extracted: 11-7-16
Date Analyzed: 11-7-16

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 11-058-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	6.65	ND	NA	5.0	

Project: 00504-117-00

TOTAL LEAD EPA 6010C MS/MSD QUALITY CONTROL

Date Extracted: 11-7-16
Date Analyzed: 11-7-16

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 11-058-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	236	92	242	94	3	

Project: 00504-117-00

DISSOLVED LEAD EPA 200.8 METHOD BLANK QUALITY CONTROL

Date Analyzed: 10-31-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1028F1

Analyte Method Result PQL
Lead 200.8 **ND** 1.0

Project: 00504-117-00

DISSOLVED LEAD EPA 200.8 DUPLICATE QUALITY CONTROL

Date Analyzed: 10-31-16

Matrix: Water Units: ug/L (ppb)

Lab ID: 10-322-04

Sample **Duplicate** Analyte Result Result RPD PQL Flags ND ND Lead NA 1.0

Project: 00504-117-00

DISSOLVED LEAD EPA 200.8 MS/MSD QUALITY CONTROL

Date Analyzed: 10-31-16

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-322-04

	Spike		Percent		Percent		
Analyte	Level	MS	Recovery	MSD	Recovery	RPD	Flags
Lead	200	189	94	191	96	1	

Project: 00504-117-00

% MOISTURE

Date Analyzed: 11-1-16

Client ID	Lab ID	% Moisture
DOT-1-10.5	10-330-06	33
DOT-2-11.5	10-330-08	26
DOT-3-10.5	10-330-09	34
DOT-4-10.5	10-330-10	29



Data Qualifiers and Abbreviations

- A Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B The analyte indicated was also found in the blank sample.
- C The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E The value reported exceeds the quantitation range and is an estimate.
- F Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I Compound recovery is outside of the control limits.
- J The value reported was below the practical quantitation limit. The value is an estimate.
- K Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L The RPD is outside of the control limits.
- M Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- N Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 Hydrocarbons in diesel range are impacting lube oil range results.
- O Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P The RPD of the detected concentrations between the two columns is greater than 40.
- Q Surrogate recovery is outside of the control limits.
- S Surrogate recovery data is not available due to the necessary dilution of the sample.
- T The sample chromatogram is not similar to a typical ______.
- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 The practical quantitation limit is elevated due to interferences present in the sample.
- V Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X Sample extract treated with a mercury cleanup procedure.
- X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.
- Y The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

7 -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference





Chain of Custody

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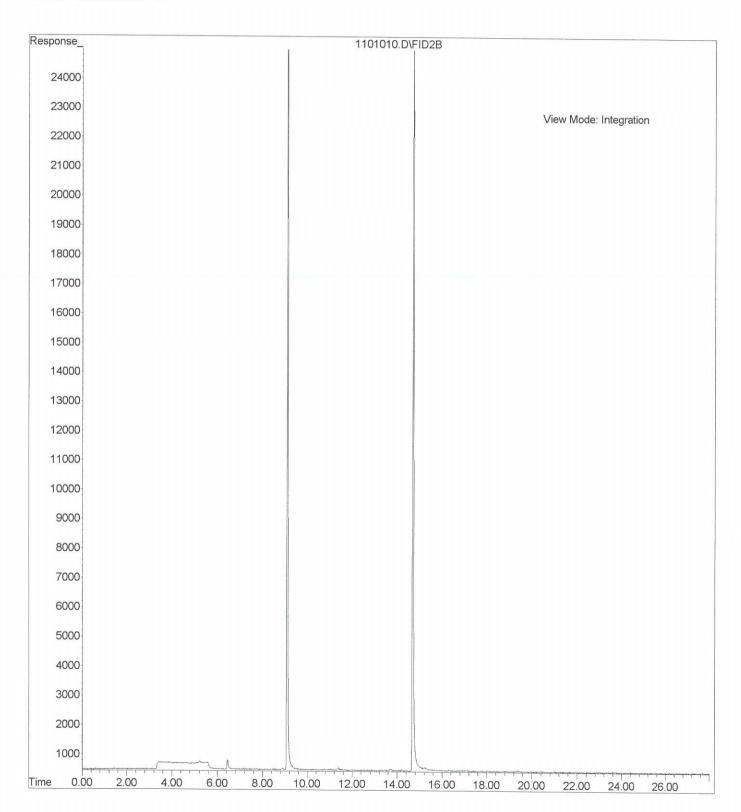
_		-																							
Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished Sylland	Signature	10 DOT-4-10.5	9 Dot-3-10.5	8 DOT-2-11,5	7 12-2-4-5-6.5	6 DOT- 2 10.5 DOT-1-10.5	S DOT-1-6.5	1 12501-4-100816	3 DOT-3-102816	2 1820-2-102816	Dot-1-102816	Lab ID Sample Identification	Sampled by: Sydniy Bronson	Sydny Branson	WA ECY- Toledo SWRO Tanks (Toledo)	00 SOU-117-00	Broigh Number Goog Gog (needs	Phone: (425) 883-3881 • www.onsite-env.com	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052
Reviewed/Date					のできるか	Coobigines	Company	1 1200 +	1015	1355	1350	1305	128 821	1218	1212	1400	10/28/11315 GW 9	Date Time Sampled Sampled Matrix	(other)		Standard (7 Days) (TPH analysis 5 Days)	2 Days 3 Days	Same Day 1 Day	(Check One)	Turnaround Request (in working days)
					1charlic 1135	5 1924/16 1135	Date Time	<u> </u>	× × ×	×××		× ×	5	× ×	×××	X ×	× × ×	NWTF NWTF NWTF Volatil	PH-Dx (les 826) enated	D BTEX Acid	1 / SG CI	;) * 3	*	Laboratory Number:
Chromatograms with final report X Electronic Data Deliverables (EDDs) X	Data Package: Standard Level III Level IV	- EDD Kgresko.	** - Aculso Pending	analyses, * FIELD FICTERED	thighes to contact of regrest to	Browson or Jeremy	Comments/Special Instructions	× ×	×	×		×		× ×	XXX	- X X	×××	EDB EPA 8011 (Waters Only) Semivolatiles 8270D/SIM (with low-level PAHs) PAHs 8270D/SIM (low-level) PCBs 8082A Organochlorine Pesticides 8081B Organophosphorus Pesticides 8270D/S Chlorinated Acid Herbicides 8151A Total RCRA Metals Total MTCA Metals TCLP Metals HEM (oil and grease) 1664A						10-330	

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Operator

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Instrument : Hope
Sample Name: 10-330-01f

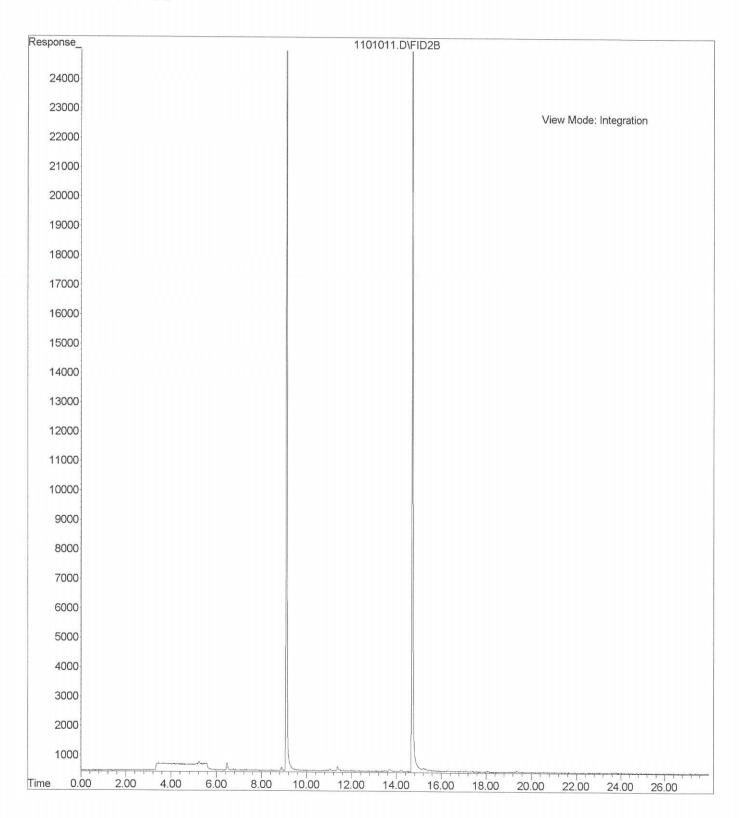


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Operator

Acquired: 1 Nov 2016 13:04 using AcqMethod 160630BG.M

Instrument: Hope Sample Name: 10-330-02f

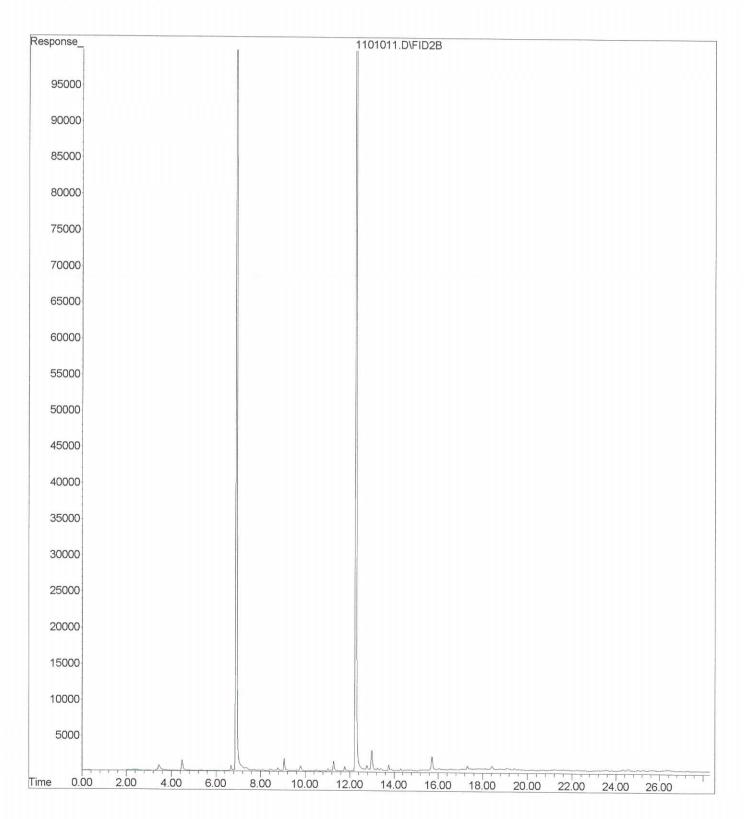


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Operator

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Instrument : Daryl
Sample Name: 10-330-03f

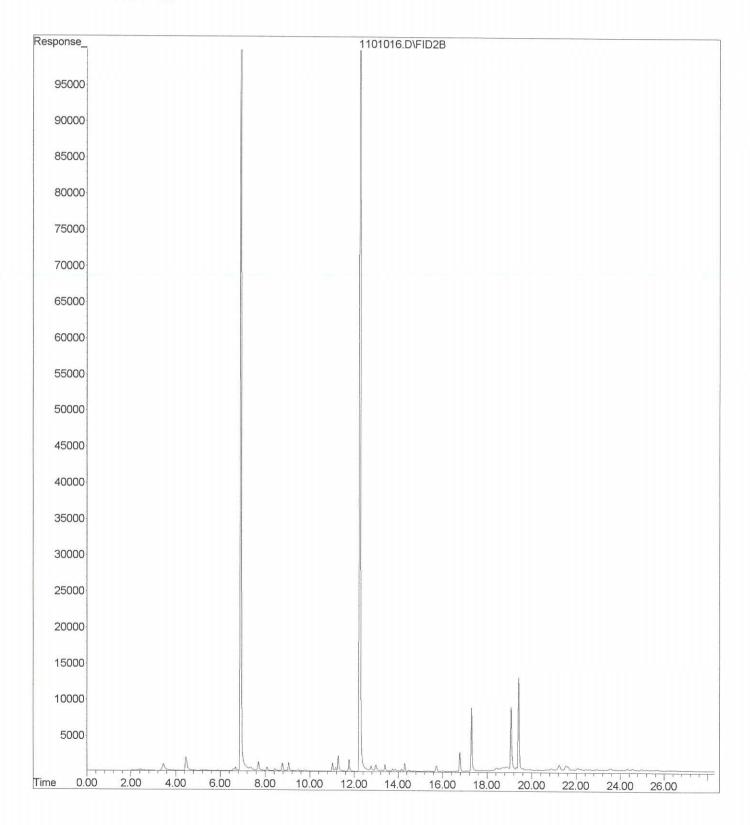


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Operator :

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Instrument : Daryl
Sample Name: 10-330-04f

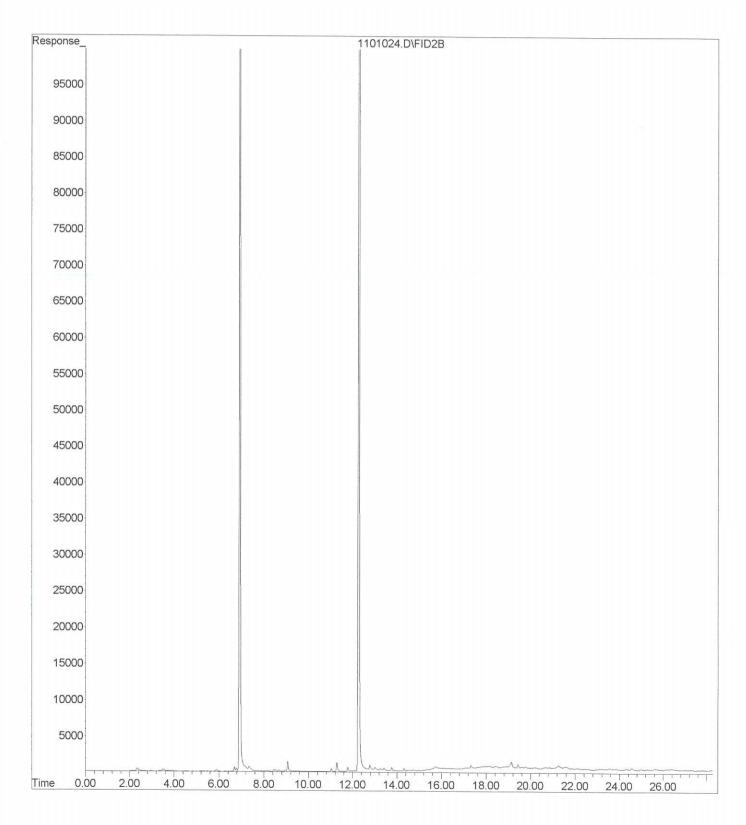


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Operator

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Instrument : Daryl
Sample Name: 10-330-06s

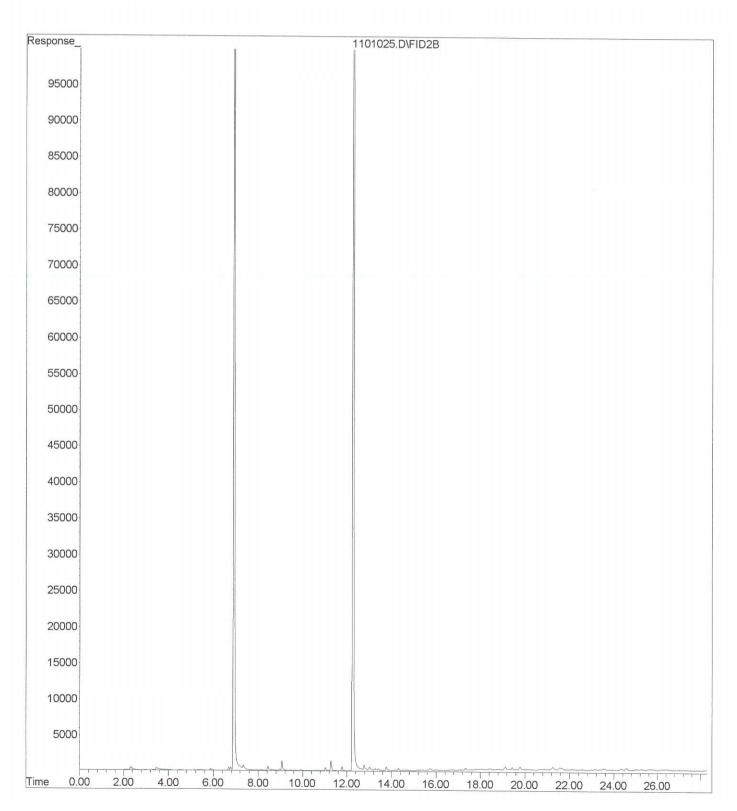


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Operator

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Instrument : Daryl
Sample Name: 10-330-08s



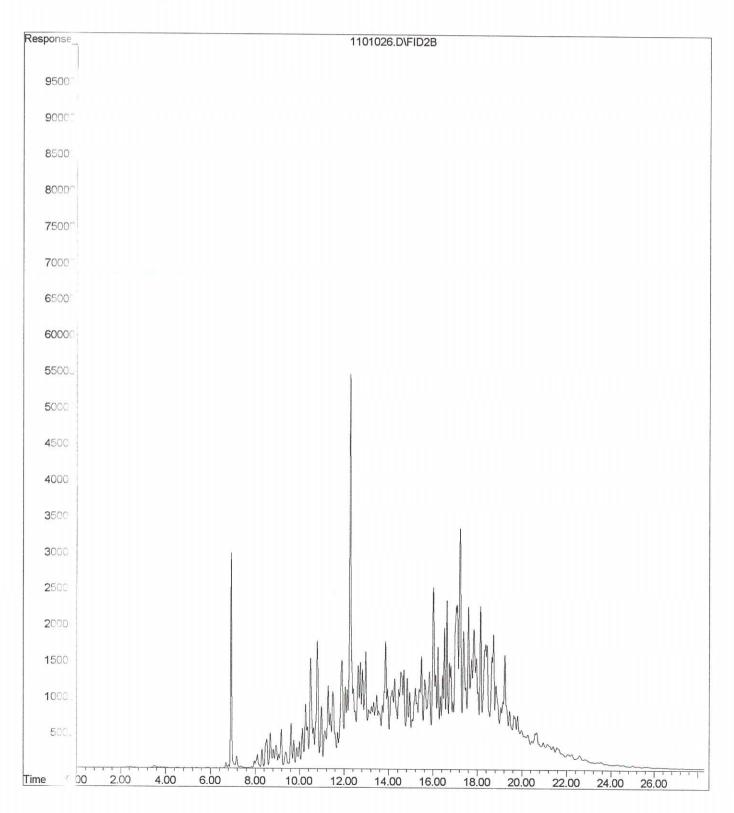
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Operator

Acquired: 1 Nov 2016 22:26 using AcqMethod 160825BM.M

Instrument : Daryl

Sample Name: 10-330-09s 1:250



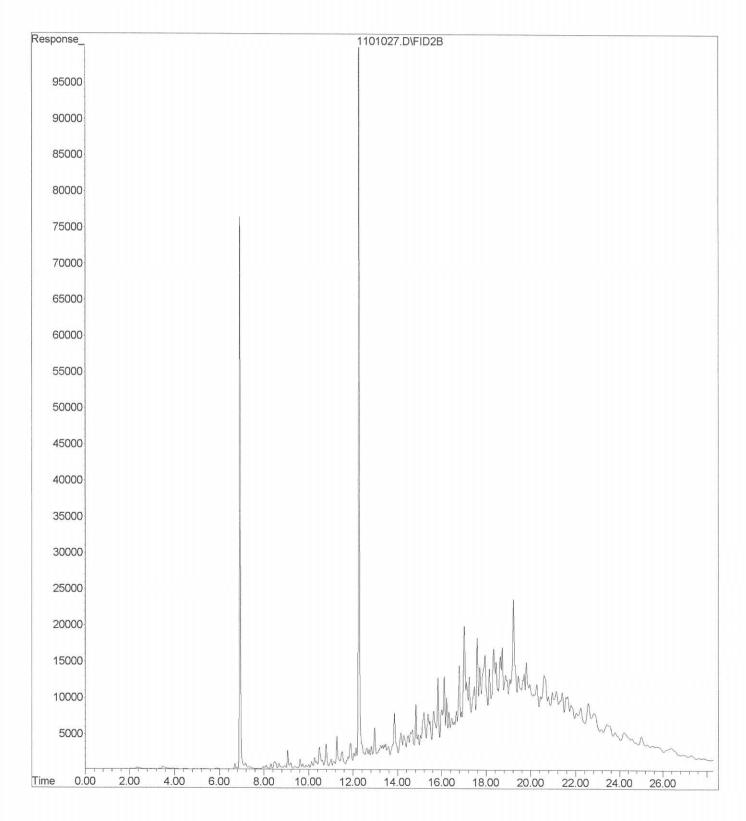
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Operator

Acquired: 1 Nov 2016 23:00 using AcqMethod 160825BM.M

Instrument : Daryl

Sample Name: 10-330-10s 1:100



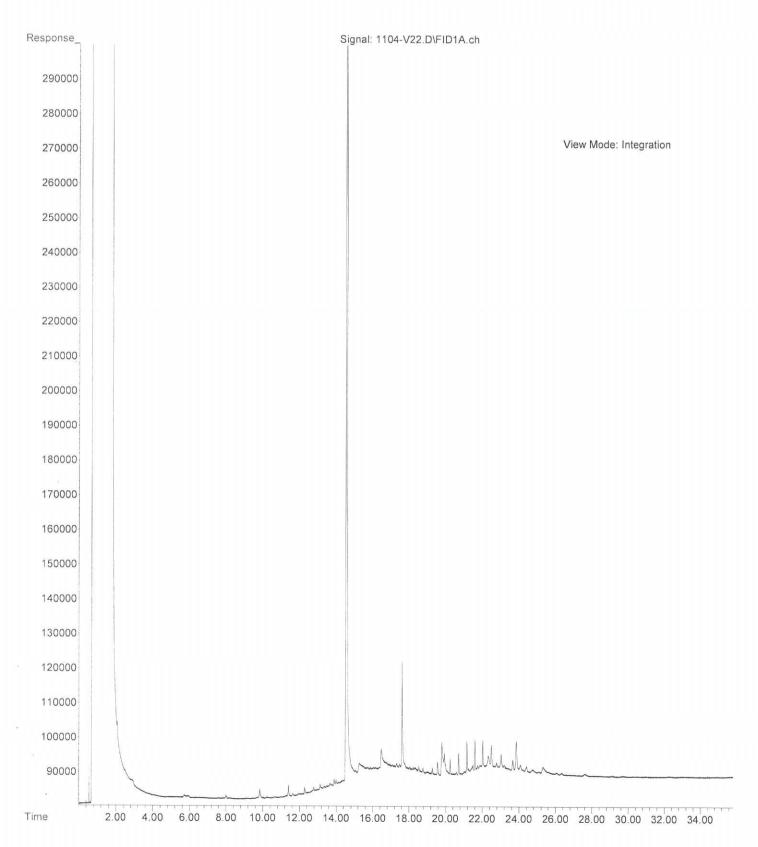
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Operator

Acquired : 5 Nov 2016 00:33

using AcqMethod V160602F.M

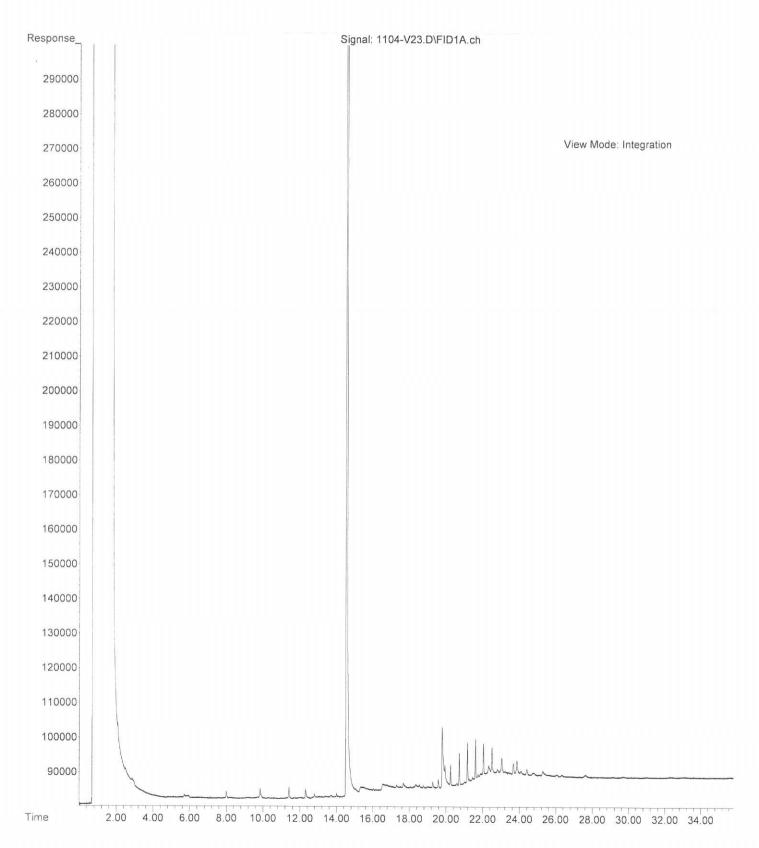
Instrument : Vigo Sample Name: 10-330-01



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Operator : Acquired : 5 Nov 2016 1:15 using AcqMethod V160602F.M

Instrument : Vigo Sample Name: 10-330-02

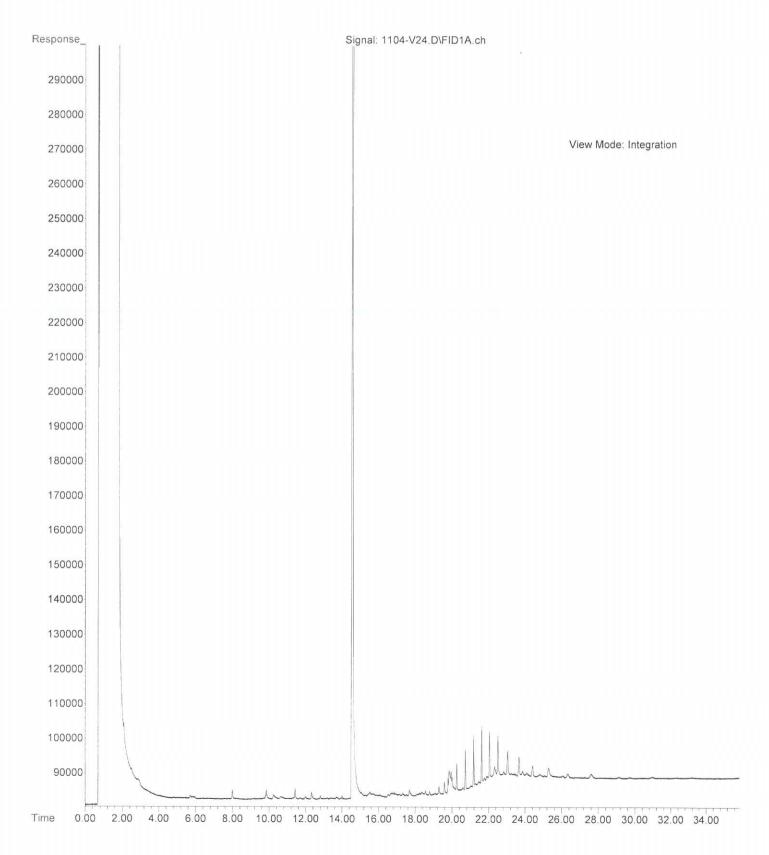


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Operator :

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Instrument : Vigo Sample Name: 10-330-03

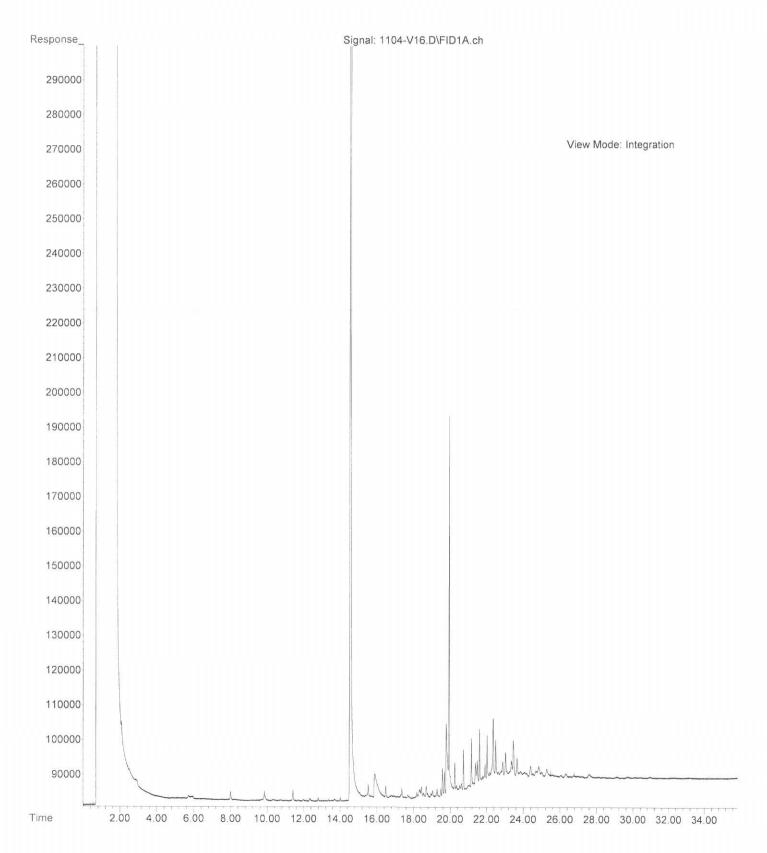


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Operator

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Instrument : Vigo Sample Name: 10-330-04

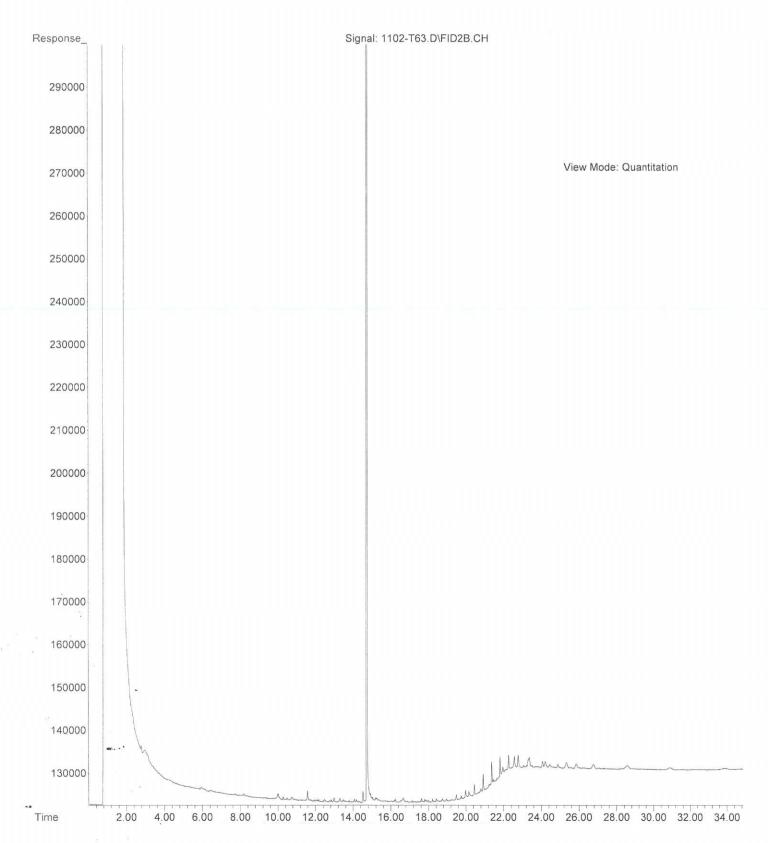


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Operator : ZT

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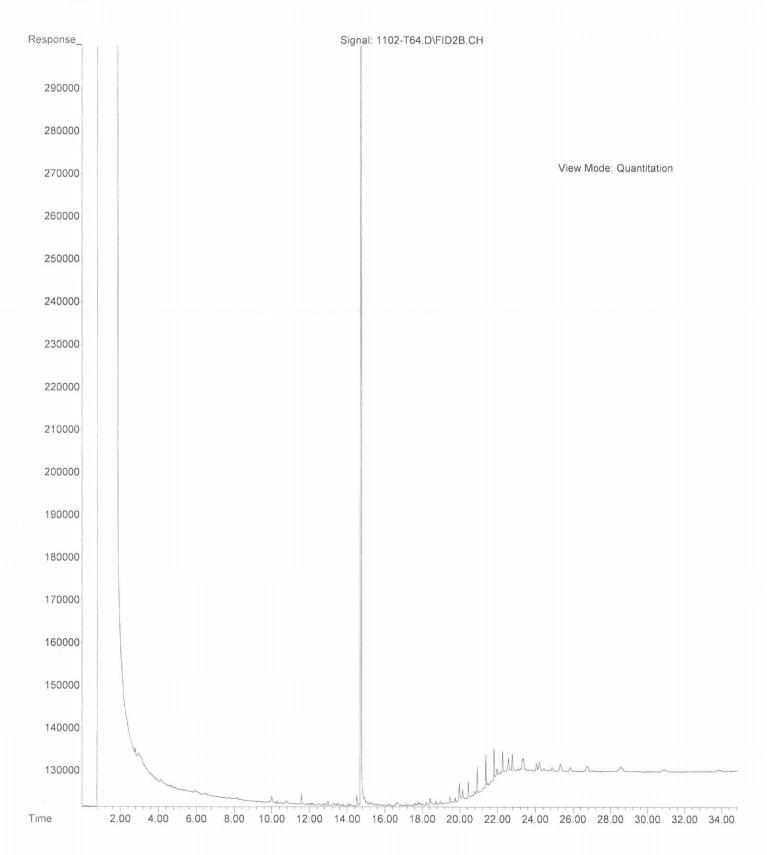
Instrument : Teri
Sample Name: 10-330-06



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Operator : ZT
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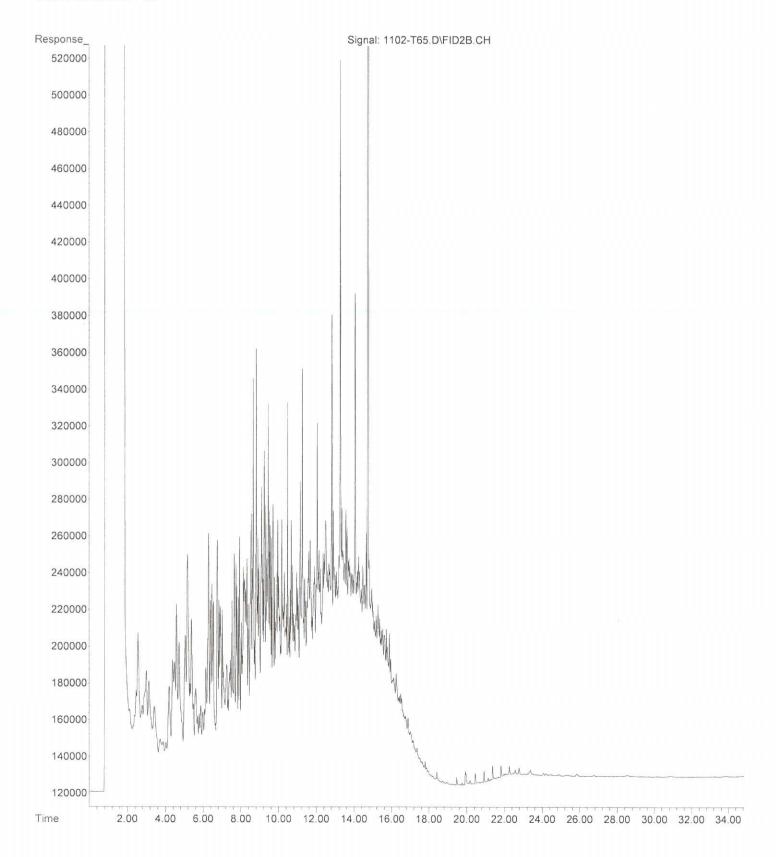
Instrument : Teri Sample Name: 10-330-08



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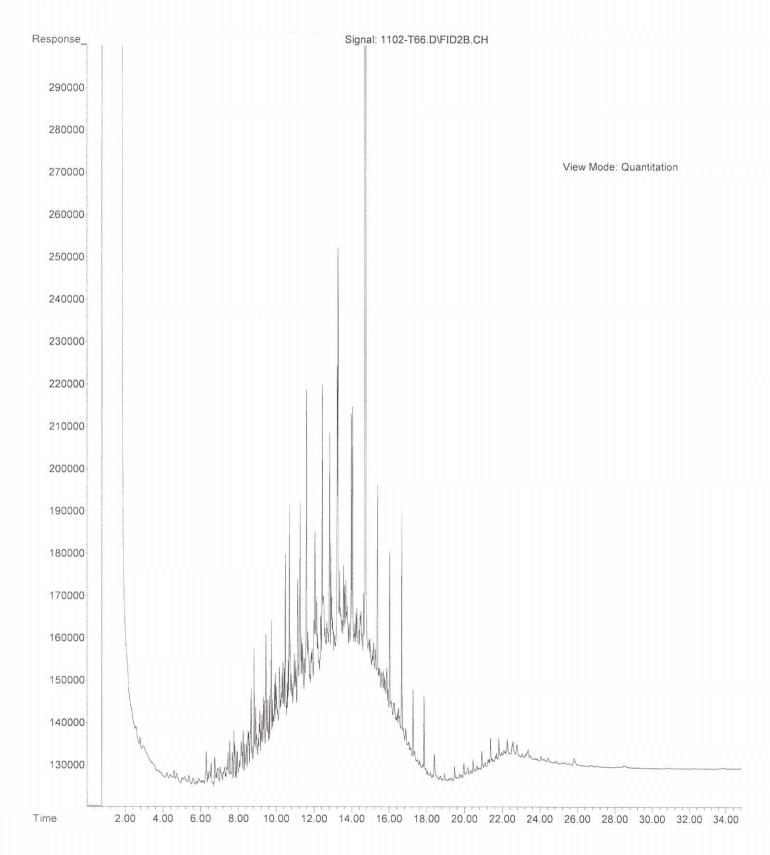
Operator : ZT
Acquired : 02 Nov 2016 20:09
Instrument : Teri
Sample Name: 10-330-09



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Operator : ZT Acquired : 02 Nov 2016 20:51 using AcqMethod T160812F.M

Instrument : Teri Sample Name: 10-330-10



APPENDIX C Report Limitations and Guidelines for Use

APPENDIX C REPORT LIMITATIONS AND GUIDELINES FOR USE¹

This appendix provides information to help you manage your risks with respect to the use of this report.

Read These Provisions Closely

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

Environmental Services Are Performed for Specific Purposes, Persons and Projects

This report has been prepared for the exclusive use of the Washington State Department of Ecology, their authorized agents and regulatory agencies. This report is not intended for use by others, and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment or remedial action study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except the Washington State Department of Ecology should rely on this plan without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

This Environmental Report Is Based on a Unique Set of Project-Specific Factors

GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this remedial action plan, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

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¹ Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

Reliance Conditions for Third Parties

No third party may rely on the product of our services unless GeoEngineers agrees in advance, and in writing to such reliance. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions.

Environmental Regulations Are Always Evolving

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

Subsurface Conditions Can Change

This report is based on conditions that existed at the time our site studies were performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying this report to determine if it is still applicable.

Soil and Groundwater End Use

The cleanup levels referenced in this report are site- and situation-specific. The cleanup levels may not be applicable for other sites or for other on-Site uses of the affected media (soil and/or groundwater). Note that hazardous substances may be present in some of the Site soil and/or groundwater at detectable concentrations that are less than the referenced cleanup levels. GeoEngineers should be contacted prior to the export of soil or groundwater from the subject Site or reuse of the affected media on Site to evaluate the potential for associated environmental liabilities. We cannot be responsible for potential environmental liability arising out of the transfer of soil and/or groundwater from the subject Site to another location or its reuse on Site in instances that we were not aware of or could not control.

Biological Pollutants

GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings, or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants and no conclusions or inferences should be drawn regarding Biological Pollutants, as they may relate to this project. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts.

If Client desires these specialized services, they should be obtained from a consultant who offers services in this specialized field.

Do Not Redraw the Exploration Logs

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design drawings. Only photographic or electronic reproduction is acceptable, but recognize that separating logs from the report can elevate risk.

Geotechnical, Geologic and Environmental Reports Should Not Be Interchanged

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

Most Environmental Findings Are Professional Opinions

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from the sampling locations at the site documented in past reports. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. There is always a potential that areas of contamination exist in portions of the site that were not sampled or tested during this or previous studies. Our remedial action plan, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.