ENVIRONMENTAL PARTNERS INC
1990 - 2015

1180 NW Maple Street, Suite 310 Issaquah, Washington 98027 ph 425.395.0010

TECHNICAL MEMORANDUM

DATE: February 25, 2016

TO: Mike Raskin – MJR Development

FROM: Eric Koltes, L.G.

RE: Summary of Investigation
Meeker Square Property
1301 West Meeker Street
Kent, Washington

EPI Project Number: 65112.0

Environmental Partners, Inc. (EPI) is pleased to submit the following Technical Memorandum documenting a summary of a recent subsurface investigation performed at the Meeker Square Property located at 1301 West Meeker Street in Kent, Washington (subject property). It is EPI's understanding that the property is a current shopping center and that the work documented herein is being performed as a part of pre-purchase due diligence.

BACKGROUND

Prior to performing work at the subject property, EPI reviewed the following reports:

- *Voluntary Cleanup Program (VCP) Soil Remediation Report – Soil Excavation and Disposal, Gasoline Remediation Project, Former Gasoline Station Site, Meeker Square Shopping Center*, prepared by SCS Engineers (SCS) and dated July 2002;

- *Voluntary Cleanup Program (VCP) Soil Remediation Report – Soil Excavation and Disposal, PCE Remediation Project, Former Meeker Cleaners Site, Meeker Square Shopping Center*, prepared by SCS and dated September 2002;

- *Well Installation and Initial Groundwater Monitoring at the Former Chevron Gasoline Station Site, Meeker Square, Kent, Washington* Letter Report, prepared by SCS and dated January 10, 2003;

- *Phase I Environmental Site Assessment* prepared by Robinson Noble Saltbush Inc. and dated November 2005; and

- *Memorandum Re: Groundwater Sampling* prepared by Migizi Group, Inc. and dated September 8, 2014.

Based on a review of these reports, there have been confirmed releases at two former VCP Sites; former Meeker Cleaners (VCP No. NW0879) and Meeker Former Gas Station (VCP No. NW0878). Remedial actions consisting of soil excavation with off-site disposal were conducted at both of these Sites, which are documented in the July 2002 and September 2002 reports prepared by SCS. These actions are summarized below. Although these two sites were enrolled in the VCP, they continue to be listed as contaminated sites and do not appear to have a 'No Further Action' (NFA) designation. Due to the compressed due diligence timeframe, Ecology files could not be reviewed, however, the reports prepared provided sufficient information for determining an appropriate investigative scope of work. It is currently not known why an NFA status was not pursued after the remedial actions were conducted.

In addition to the two VCP sites, there are two other areas that required assessment. These areas are the current Meeker Cleaners drycleaners facility and an auto repair facility located in the northeast corner of the property.

Therefore, four areas were investigated during the work performed at the subject property. The four investigative areas are numbered as follows and are depicted on the attached figures:

- Area 1 – Current Auto Repair
- Area 2 – Current Cleaners
- Area 3 – Former Meeker Cleaners Site
- Area 4 – Meeker Former Gas Station Site

PRIOR WORK

This section summarized the work performed in each of the investigative areas.

Area 1 – Current Auto Repair

No prior work had been conducted at Area 1.

Area 2 – Current Cleaners

No prior work had been conducted at Area 2.

Area 3 – Former Meeker Cleaners Site

Approximately 1,500 cubic yards of perchloroethylene- (PERC, or PCE) impacted soil were removed from Area 3 (former Meeker Cleaners Site) during remedial actions conducted in 2002. Ecology's level of involvement is not currently known. After completion of the remedial action, residual PCE impacts to soil and groundwater remained in place. Impacts to soil appear to be minimal and were below the groundwater table. Groundwater at this site is located at a depth of approximately 5 to 6 feet below grade and is known to flow to the south-southeast. Based on the data reviewed, there was a single location at a depth of about 6 feet below grade that exceeded applicable cleanup levels.

Based on the data reviewed, it appears that groundwater impacts have likely migrated off property to the south. The investigation documented herein revealed that the off property impacts are minimal and are restricted to beneath the roadway, which is summarized below in the 'Investigation Summary' section.

In addition, during a later sampling event, diesel- and oil-range organics (DRO and ORO) were also identified at this Site. The source of the DRO and ORO impacts to groundwater is unknown.

Area 4 – Meeker Former Gas Station Site

Approximately 342 cubic yards of petroleum contaminated soil (PCS) were removed from Area 4 (Meeker Former Gas Station Site) during remedial actions conducted in 2002. Ecology's level of involvement is not currently known. After completion of the remedial action, residual petroleum impacts to soil and groundwater remained in place. Impacts to soil remain along the southern property boundary where utility and property lines prevented further excavation. Based on the data reviewed, it appears that groundwater impacts have likely migrated off property to the south. The investigation documented herein revealed that the off property impacts are minimal and are restricted to beneath the roadway, which is summarized below in the 'Investigation Summary' section.

Although a property-specific groundwater gradient has not been established, based on EPI's prior work in the immediate area for others, shallow groundwater in this area follows topography and flows to the south-southeast.

OBJECTIVES

EPI conducted subsurface investigation activities to achieve the following general objectives:

- Evaluate potential releases from Area 1 and Area 2;
- Evaluate the effectiveness of the remedial actions conducted in Areas 3 and 4;
- Investigate the source for the observed DRO and ORO impacts in Area 3; and
- Evaluate the potential for off-site impacts to extend beyond Meeker Street to the south of the subject property.

INVESTIGATION SUMMARY

EPI advanced and sampled soil and groundwater from a total of 33 borings at the subject property to investigate these areas. Completed borelogs for each boring are included in Attachment A. A table of requested analysis is presented in Table 1. Analytical results for soil are presented in Table 2. Analytical results for groundwater are presented in Table 3. Copies of the original laboratory reports are included in Attachment B.

The pertinent findings of the investigation are presented in the sections below.

Area 1 – Current Auto Repair

A total of three borings were advanced and sampled to investigate for large-scale releases associated with the current auto repair conducted at the subject property. The locations of the borings advanced are depicted on Figure 2.

No impacts to soil and/or groundwater were detected in Area 1 during this investigation and no further investigation appears necessary.

Area 2 – Current Cleaners

A total of two borings were advanced and sampled to investigate for large-scale releases associated with the current cleaners conducted at the subject property. The locations of the borings advanced are depicted on Figure 2.

No impacts to soil and/or groundwater were detected in Area 2 during this investigation and no further investigation appears necessary.

Area 3 – Former Meeker Cleaners

ORO was detected in soil and groundwater within Area 3. These impacts were detected both inside and outside the area that was previously remediated for PCE. This indicates two possibilities: 1) the ORO impacts were present prior to the PCE remediation and overburden stripped during the PCE remediation was placed back into the excavation as backfill which cross contaminated the remediated area, or 2) the ORO release occurred after the remediation was completed in 2002.

Due to the uncertainty in the mode of the ORO release, the ORO impacts were extensively investigated to determine the magnitude of impacts. Therefore, a total of 25 borings were advanced and sampled to investigate the ORO impacts within the Former Meeker Cleaners. The locations of the borings advanced are depicted on Figure 2. Twelve of the 25 borings were sampled on 2 foot vertical centers in order to capture a 3D model of where these impacts are located in soil.

The investigation findings for Area 3 are as follows:

- An area of ORO-impacted soil was observed. The area is impacted from near surface to depths ranging from 3 to 6 feet below grade. The areas of ORO impacted soil and depths are displayed on Figure 3. The ORO-impacted areas appear to encompass approximately 1,400 cubic yards. This area will require remediation in order qualify for a 'no further action' (NFA) designation from Washington Department of Ecology (Ecology).

- The 2002 remediation at the site appears to have been adequately performed for dry cleaning compounds (i.e., tetrachloroethylene; PCE) and the majority of the PCE-impacted soil was effectively removed during this work phase. As documented in SCS's report and confirmed during the sampling effort documented herein, a minor amount of PCE-impacted soil remains at the site in the vicinity of boring B-13. This area is coincident with the ORO impacted area and

would not require a significant incremental effort over and above remediating the ORO impacted soil.

- Groundwater in this area is impacted with DRO, ORO, and vinyl chloride (VC) at the property boundary. These impacts appear to extend off-property to the south, beneath Meeker Street. However, these impacts do not appear to extend beyond the southern boundary of Meeker Street. Therefore, any remaining groundwater impacts associated with the Former Meeker Cleaners are very limited and appear to be restricted to beneath the roadway. Consequently, exposure to potential 3rd party claims appears to be equally limited and the likelihood of Ecology issuing a property-specific NFA letter should not be impacted.

Area 4 – Meeker Former Gas Station Site

- The 2002 remediation at the site appears to have been adequately performed for gasoline-related compounds. Impacts to soil remain on-site along the southern property boundary where utility and property lines prevented further excavation. These impacts could remain on-site under appropriately placed institutional controls (i.e., Ecology approved deed restriction) and, with proper documentation, would not prohibit the ability to obtain an NFA designation from Ecology. Such documentation includes preparation of a Remedial Investigation Report that identifies the location and extent of all remaining impacts and providing an Ecology-compliant disproportionate cost analysis (DCA) to justify leaving impacts in place.

- Groundwater in this area is impacted with gasoline and related compounds at the property boundary. These impacts appear to extend off-property to the south, beneath Meeker Street. However, these impacts do not appear to extend beyond the southern boundary of Meeker Street. Therefore, any remaining groundwater impacts associated with the Meeker Former Gas Station Site are very limited and appear to be restricted to beneath the roadway. Consequently, exposure to potential 3rd party claims appears to be equally limited. and the likelihood of Ecology issuing a property-specific NFA letter should not be impacted.

OPINION AND PATHWAY FORWARD

It is EPI's opinion that based on the data collected to date, after remediation of the soil impacts in Area 3, the property will likely qualify for property-specific NFA designation from Ecology. However, significant additional work will be necessary as outlined below.

- **Task 1: Remediation of Impacted Soils in Area 3**

Remediation in Area 3 would consist of excavation and proper off-site disposal of impacted soil followed by performance sampling to document remediation effectiveness. After performance sampling has demonstrated that the excavation has achieved compliance in all accessible areas, the excavation area would be backfilled with clean soils and restored to pre-existing conditions. A *Remedial Action Report* would be prepared at the conclusion of remedial actions and submitted to Ecology under the Voluntary Cleanup Program (VCP) as described below.

This task would take 4 to 6 weeks to implement and document. The report would then be submitted to Ecology under the VCP. Ecology opinion is usually provided within 90 days of submission.

- **Task 2: Data Gap Investigation and Remedial Investigation with Disproportionate Cost Analysis**

This would involve identifying any remaining data gaps, investigate appropriately, and prepare an Ecology-compliant *Remedial Investigation Report* (RI) with a DCA that justifies no active remedial action beneath Meeker Street. A DCA is used to justify not performing additional remediation if the cost to perform the additional remediation is disproportionately high relative to the effort to remediate. Ecology has an established metric for performing and grading this analysis, which would be documented in this report.

The field work associated with this task may include generating a site specific groundwater gradient and completing groundwater sampling after completion of soil remediation in Area 3. The RI document would serve to document all the work performed to date and any remaining contamination left in place, both at the property boundary and beneath Meeker Street, if applicable. The DCA is an Ecology requirement any time contamination is left in place.

Fieldwork and documentation would take 2 to 4 months to complete after the remedial action described in Task 1 is completed.

- **Task 3: VCP Enrollment and Agency Negotiations**

This includes completing the necessary application forms for enrollment in Ecology's Voluntary Cleanup Program (VCP) and discussions with Ecology in support of obtaining an NFA. Enrollment in the VCP would be completed at the conclusion of Task 1.

- **Task 4: Entering Data into Ecology Electronic Information Management (EIM)**

In order to obtain an opinion letter from Ecology, it is mandatory to enter all data collected at a site into Ecology's EIM system. Depending on the final volume of data, entering the data into Ecology's EIM would take 1 to 2 weeks to complete.

The opinions detailed in this Technical Memorandum are based on EPI's professional experience. However, EPI are not attorney's and cannot provide legal advice. EPI recommends consulting with an environmental attorney regarding potential liability issues associated with the environmental conditions at the subject property.

ENCLOSURES

Tables

Table 1	Summary of Requested Analysis
Table 2	Summary of Soil Analytical Results (in mg/kg)
Table 3	Summary of Groundwater Analytical Results (in µg/L)

Figures

Figure 1	General Vicinity Map
Figure 2	Sampling Locations
Figure 3	Estimated Extent of Oil-Range Organic Impacts to Soil

Attachments

Attachment A	Borelogs
Attachment B	Analytical Reports

Tables

Table 1
Summary of Requested Analysis
Technical Memorandum
1301 West Meeker Street, Kent, WA

Sampling Area	Sample Location	Sample Type	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons		BTEX[d]	VOCs[e]
					GRO[a]	DRO and ORO[b]		
Area 1	B-2	Soil	5	11/6/15	X[c]	X[c]	--	X
		Water	NA	11/6/15	X[c]	X[c]	--	X
	B-3	Soil	5	11/6/15	X[c]	X[c]	--	X
		Water	NA	11/6/15	X[c]	X[c]	--	X
	B-4	Soil	6	11/6/15	X[c]	X[c]	--	X
		Water	NA	11/6/15	X[c]	X[c]	--	X
Area 2	B-5	Soil	5	10/23/15	--	--	--	X
		Water	NA	11/6/15	--	--	--	X
	B-6	Soil	5	10/23/15	--	--	--	X
		Water	NA	11/6/15	--	--	--	X
Area 4	B-7	Soil	12	11/6/15	X	--	X	--
		Water	NA	11/6/15	X	--	X	--
	B-9	Soil	5	11/6/15	X	--	X	--
		Water	NA	11/6/15	X	--	X	--
	B-10	Soil	5	11/12/15	X	--	X	--
		Water	NA	11/6/15	X	--	X	--
Area 3	B-11	Soil	5	10/23/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-12	Soil	5	10/23/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-13	Soil	5	10/23/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-14	Soil	5	11/6/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-15	Soil	5	10/23/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-16	Soil	5	10/23/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-17	Soil	6	10/23/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-18	Soil	5	10/23/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-19	Soil	5	11/6/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-20	Soil	5	11/6/15	--	X	--	X
		Water	NA	11/6/15	--	X	--	X
	B-21	Soil	5	11/6/15	--	X	--	--
		Water	NA	11/6/15	--	X	--	--
	B-22	Soil	5	11/6/15	--	X	--	--
		Water	NA	11/6/15	--	X	--	--
	B-23	Soil	5	11/6/15	--	X	--	--
		Water	NA	11/6/15	--		--	--
	B-24	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
		Soil	15	11/20/15	--	X	--	--
	B-25	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
	B-26	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
		Soil	15	11/20/15	--	X	--	--
	B-27	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
		Soil	15	11/20/15	--	X	--	--
	B-28	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
	B-29	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
	B-30	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
	B-31	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
	B-32	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
		Soil	15	11/20/15	--	X	--	--
	B-33	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
	B-34	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--
	B-35	Soil	2	11/20/15	--	X	--	--
		Soil	4	11/20/15	--	X	--	--
		Soil	6	11/20/15	--	X	--	--
		Soil	8	11/20/15	--	X	--	--
		Soil	10	11/20/15	--	X	--	--

Notes:

a Gasoline-range organics (GRO) analyzed by NWTPH-Gx, unless otherwise noted.
b Diesel-range (DRO) and Oil-range organics (ORO) analyzed by NWTPH-Dx, unless otherwise noted.
c Analyzed by NWTPH-HCID Method A.
d Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) analyzed by EPA Method 8021B.
e Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260C.
NA Not applicable.
-- Not analyzed.

Table 2
Summary of Soil Analytical Results (in mg/kg)
Technical Memorandum
1301 West Meeker Street, Kent, WA

Sampling Area	Sample Location	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons			BTEX[d]	Detected VOCs[e]
				GRO[a]	DRO[b]	ORO[b]		Tetrachloroethene (PCE)
Area 1	B-2	5	11/6/15	<20[c]	<50[c]	<250[c]	--	<0.025
	B-3	5	11/6/15	<20[c]	<50[c]	<250[c]	--	<0.025
	B-4	6	11/6/15	<20[c]	<50[c]	<250[c]	--	<0.025
Area 2	B-5	5	10/23/15	--	--	--	--	<0.025
	B-6	5	10/23/15	--	--	--	--	<0.025
Area 4	B-7	12	11/6/15	<2	--	--	ND	--
	B-9	5	11/6/15	<2	--	--	ND	--
	B-10	5	11/12/15	<2	--	--	ND	--
Area 3	B-11	5	10/23/15	--	<50	<250	--	<0.025
	B-12	5	10/23/15	--	<50	<250	--	<0.025
	B-13	5	10/23/15	--	**310 x**	**4,000**	--	**0.072**
	B-14	5	11/6/15	--	<50	<250	--	<0.025
	B-15	5	10/23/15	--	**260 x**	**4,700**	--	**0.028**
	B-16	5	10/23/15	--	**300 x**	**3,600**	--	<0.025
	B-17	6	10/23/15	--	<50	**870**	--	<0.025
	B-18	5	10/23/15	--	<50	<250	--	<0.025
	B-19	5	11/6/15	--	<50	<250	--	<0.025
	B-20	5	11/6/15	--	<50	<250	--	<0.025
	B-21	5	11/6/15	--	<50	<250	--	--
	B-22	5	11/6/15	--	<50	<250	--	--
	B-23	5	11/6/15	--	<50	<250	--	--
	B-24	2	11/20/15	--	**490 x**	**4,200**	--	--
		4	11/20/15	--	**330 x**	**4,800**	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
		15	11/20/15	--	<50	<250	--	--
	B-25	2	11/20/15	--	<50	<250	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
	B-26	2	11/20/15	--	**270 x**	**4,300**	--	--
		4	11/20/15	--	**290 x**	**4,600**	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
		15	11/20/15	--	<50	<250	--	--
	B-27	2	11/20/15	--	<50	<250	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
		15	11/20/15	--	<50	<250	--	--
	B-28	2	11/20/15	--	**200 x**	**2,600**	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
	B-29	2	11/20/15	--	<50	<250	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
	B-30	2	11/20/15	--	<50	<250	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
	B-31	2	11/20/15	--	<50	<250	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
	B-32	2	11/20/15	--	**85 x**	**2,200**	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
		15	11/20/15	--	<50	<250	--	--
	B-33	2	11/20/15	--	<50	<250	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	**570**	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
	B-34	2	11/20/15	--	**180 x**	**2,600**	--	--
		4	11/20/15	--	**200 x**	**2,600**	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
	B-35	2	11/20/15	--	<50	<250	--	--
		4	11/20/15	--	<50	<250	--	--
		6	11/20/15	--	<50	<250	--	--
		8	11/20/15	--	<50	<250	--	--
		10	11/20/15	--	<50	<250	--	--
MTCA Method A Soil Cleanup Level for Unrestricted Land Use				**30/100[f]**	**2,000**	**2,000**	**NA**	**0.05**

Notes:

All results presented in milligrams/kilogram (mg/kg).

Bold	Bold results indicate that the compound was detected.
	Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.
a	Gasoline-range organics (GRO) analyzed by NWTPH-Gx, unless otherwise noted.
b	Diesel-range (DRO) and Oil-range organics (ORO) analyzed by NWTPH-Dx, unless otherwise noted.
c	Analyzed by NWTPH-HCID Method A.
d	Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) analyzed by EPA Method 8021B.
e	Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260C.
f	Cleanup level is 30 when Benzene is not present, and 100 when detected.
NA	Not applicable.
--	Not analyzed.

Qualfiier:

x	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Table 3
Summary of Groundwater Analytical Results (in µg/L)
Technical Memorandum
1301 West Meeker Street, Kent, WA

Sampling Area	Sample Location	Sample Date	Petroleum Hydrocarbons			Detected VOCs[d]						
			GRO[a]	DRO[b]	ORO[b]	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Vinyl chloride	trans-1,2-Dichloro-ethene	cis-1,2-Dichloro-ethene
Area 1	B-2	11/6/15	<200[c]	<500[c]	<500[c]	<0.35	<1	<1	<3	<0.2	<1	<1
	B-3	11/6/15	<200[c]	<500[c]	<500[c]	<0.35	<1	<1	<3	<0.2	<1	<1
	B-4	11/6/15	<200[c]	<500[c]	<500[c]	<0.35	<1	<1	<3	<0.2	<1	<1
Area 2	B-5	10/23/15	--	--	--	<0.35	<1	<1	<3	<0.2	<1	<1
	B-6	10/23/15	--	--	--	<0.35	<1	<1	<3	<0.2	<1	<1
Area 4	B-7	11/6/15	<100	--	--	<1[e]	<1[e]	<1[e]	<3[e]	--	--	--
	B-9	11/6/15	<100	--	--	<1[e]	<1[e]	<1[e]	<3[e]	--	--	--
	B-10	11/12/15	**160**	--	--	**4.9[e]**	**1.4[e]**	**1.1[e]**	**5.2[e]**	--	--	--
Area 3	B-11	10/23/15	--	**91 x**	<250	<0.35	<1	<1	<3	<0.2	<1	<1
	B-12	10/23/15	--	**98 x**	<260	<0.35	<1	<1	<3	<0.2	<1	<1
	B-13	10/23/15	--	**170 x**	<250	<0.35	<1	<1	<3	<0.2	<1	**1.8**
	B-14	11/6/15	--	<50	<250	<0.35	**1.0**	<1	<3	<0.2	<1	<1
	B-15	10/23/15	--	**560 x**	**500 x**	<0.35	<1	<1	<3	**0.95**	<1	**1.8**
	B-16	10/23/15	--	**280 x**	**330 x**	<0.35	<1	<1	<3	<0.2	<1	<1
	B-17	10/23/15	--	**550 x**	**320 x**	<0.35	<1	<1	<3	**21**	**1.4**	**26**
	B-18	10/23/15	--	**120 x**	<270	<0.35	1.1	<1	<3	<0.2	<1	<1
	B-19	11/6/15	--	<50	<250	<0.35	<1	<1	<3	<0.2	<1	<1
	B-20	11/6/15	--	<50	<250	<0.35	<1	<1	<3	<0.2	<1	<1
	B-21	11/6/15	--	**170 x**	<250	--	--	--	--	--	--	--
	B-22	11/6/15	--	<50	<250	--	--	--	--	--	--	--
	B-23	11/6/15	--	<50	<250	--	--	--	--	--	--	--
MTCA Method A Groundwater Cleanup Level for Unrestricted Land Use			**800/1,000[f]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**0.2**	**160[g]**	**16[g]**

Notes:

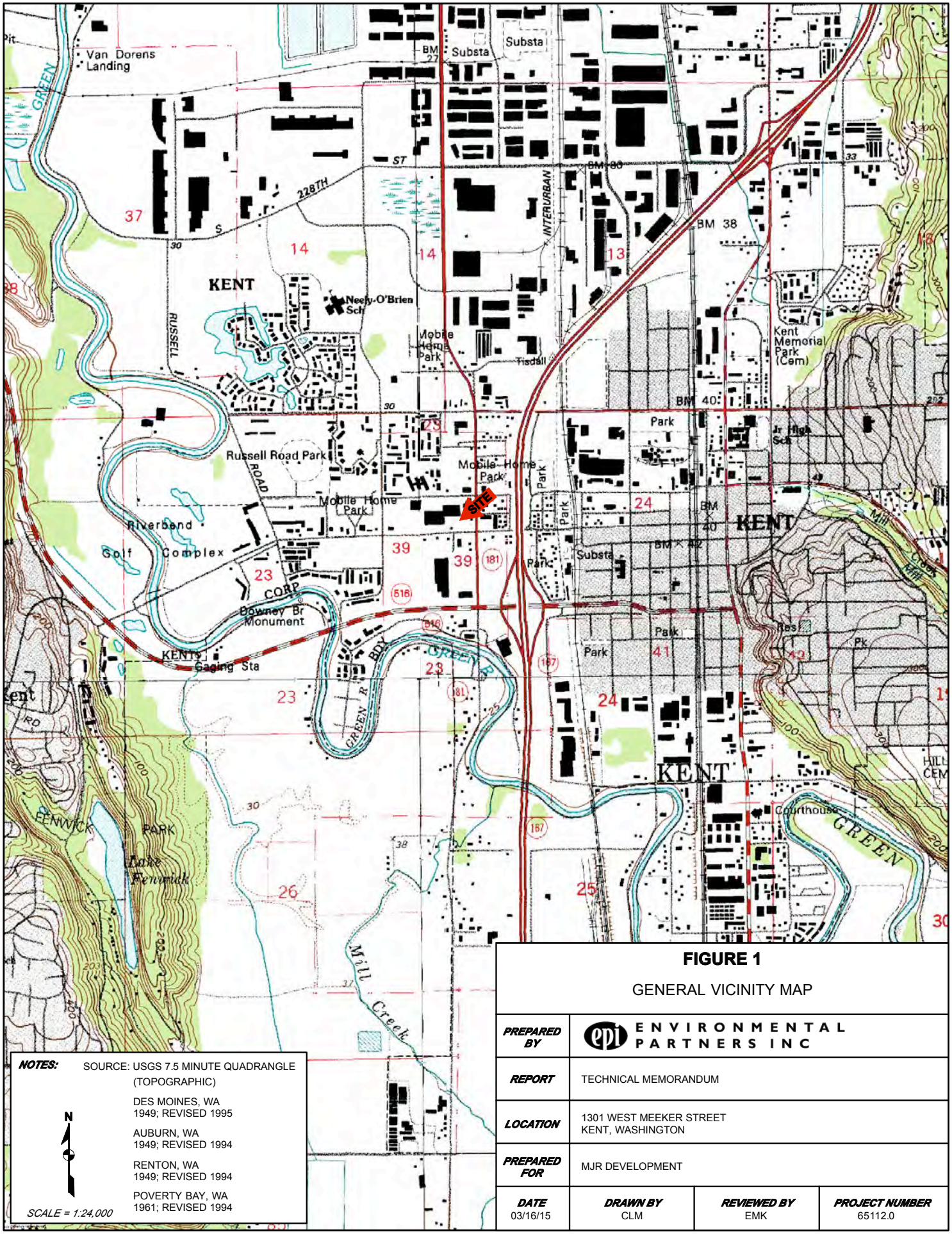
All results presented in milligrams/kilogram (µg/L).

Bold	Bold results indicate that the compound was detected.
	Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.
a	Gasoline-range organics analyzed by NWTPH-Gx, unless otherwise noted.
b	Diesel-range organics analyzed by NWTPH-Dx, unless otherwise noted.
c	Analyzed by method NWTPH-HCID Method A.
d	Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260C, unless otherwise noted.
e	Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) analyzed by EPA Method 8021B.
f	Cleanup level is 800 when Benzene is not present, and 1,000 when detected.
g	MTCA Method B cleanup level.
--	Not analyzed.

Qualfiier:

x	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Figures



NOTES: SOURCE: USGS 7.5 MINUTE QUADRANGLE (TOPOGRAPHIC)

DES MOINES, WA
1949; REVISED 1995

AUBURN, WA
1949; REVISED 1994

RENTON, WA
1949; REVISED 1994

POVERTY BAY, WA
1961; REVISED 1994

N

SCALE = 1:24,000

FIGURE 1

GENERAL VICINITY MAP

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	TECHNICAL MEMORANDUM		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 03/16/15	***DRAWN BY*** CLM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.0

NOTES:

●	APPROXIMATE SOIL BORING LOCATIONS
GREEN	INDICATES < THE APPLICABLE OIL-RANGE ORGANICS (ORO) CLEANUP LEVEL
RED	INDICATES >OR= THE APPLICABLE ORO CLEANUP LEVEL

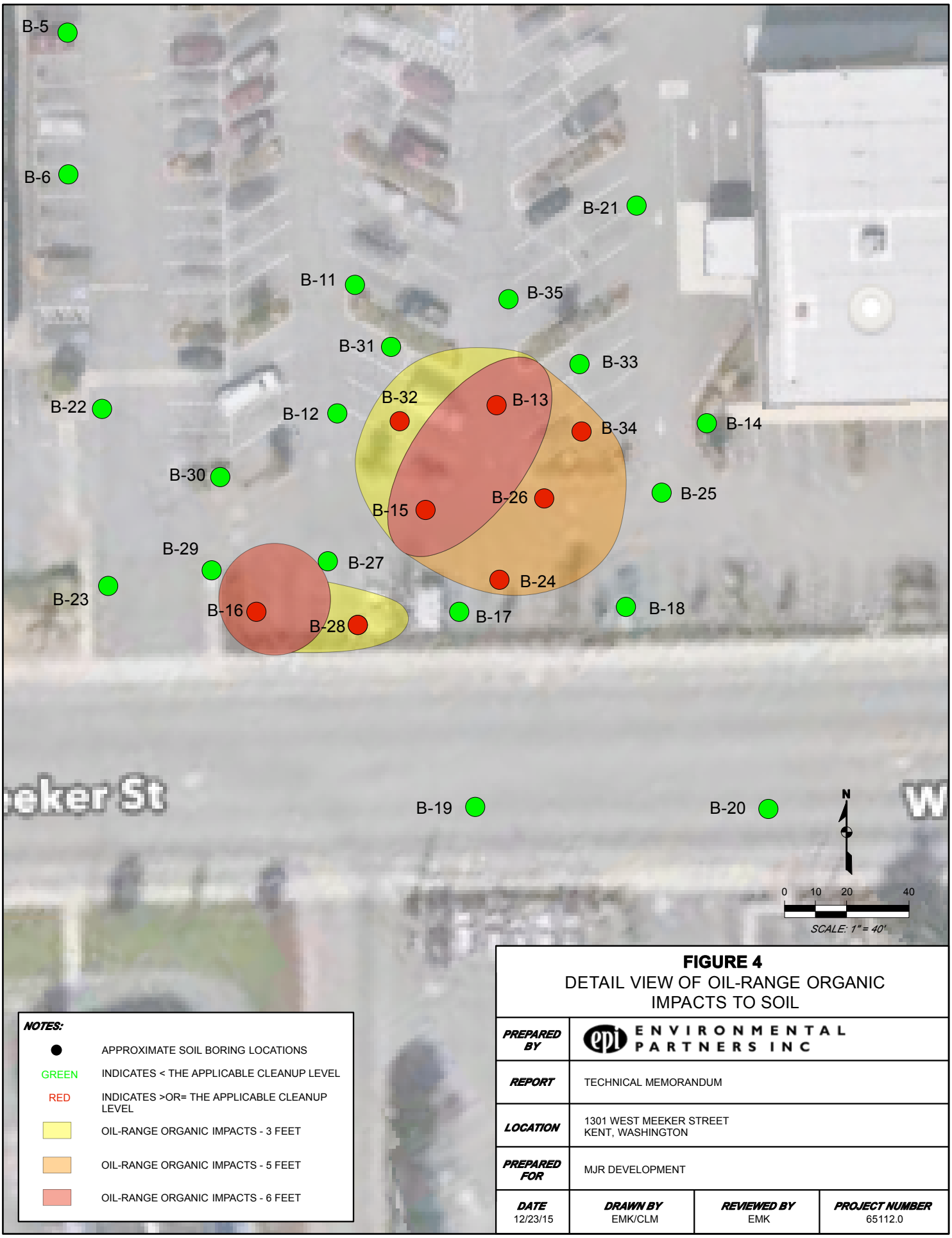
FIGURE 2

SAMPLING LOCATIONS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	TECHNICAL MEMORANDUM		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 12/18/15	***DRAWN BY*** EMK/CLM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.0

FIGURE 3
ESTIMATED EXTENT OF OIL-RANGE ORGANIC IMPACTS TO SOIL

PREPARED BY	epi ENVIRONMENTAL PARTNERS INC		
REPORT	TECHNICAL MEMORANDUM		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 12/18/15	**DRAWN BY** EMK/CLM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.0



NOTES:

- ● APPROXIMATE SOIL BORING LOCATIONS
- GREEN INDICATES < THE APPLICABLE CLEANUP LEVEL
- RED INDICATES >OR= THE APPLICABLE CLEANUP LEVEL
- OIL-RANGE ORGANIC IMPACTS - 3 FEET
- OIL-RANGE ORGANIC IMPACTS - 5 FEET
- OIL-RANGE ORGANIC IMPACTS - 6 FEET

FIGURE 4
DETAIL VIEW OF OIL-RANGE ORGANIC IMPACTS TO SOIL

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	TECHNICAL MEMORANDUM		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 12/23/15	**DRAWN BY** EMK/CLM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.0

Attachment A
Borelogs

ENVIRONMENTAL PARTNERS INC

BORING ID: B-2

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
1	SM	SILTY SAND; brown, damp	70	0			
2							
3							
4							
5				0.1	B-2:5		
6		SILT WITH SAND; grayish brown, wet	80	0		NO	Recon water sample
7							
8							
9							
10	ML			0	B-2:10		
11							
12			100				
13				0			
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-3

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
1	SM	SILTY SAND; reddish brown; damp	40				
2							
3							
4							
5				0.6	B-3:5		
6		SILT WITH SAND; reddish brown; wet	60				
7							
8				1.1	B-3:8	NO	Recon water sample
9		Brownish gray @ 9'					
10	ML						
11				0.5			
12			100				
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-4

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
1	SM	SILTY SAND; reddish brown; damp	50	0.1			
2							
3							
4							
5				0.3			
6			70		B-4:6		
7				0.6			
8		SILT WITH SAND; grayish brown; wet				NO	Recon water sample
9							
10				0.1	B-4:10		
11	ML						
12			100				
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-5

SITE ADDRESS: **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**
DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**	BOREHOLE SIZE: **2"**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–2	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; trace gravel.	60	0		NO	Recon water sample
2–6	SM	SILTY SAND; reddish brown; damp.		0	B-5:5		
6–15	ML	SANDY SILT; brownish gray; wet.	80	0			
				0	B-5:10		
			90				
15		End or Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-6

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0	SM	SILTY SAND; reddish brown; damp.	70	0		NO	Recon water sample
5				0	B-6:5		
6	ML	SILT; brownish gray; wet.	80	0			
10				0	B-6:10		
12			80	0			
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-7

SITE ADDRESS: **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**

BOREHOLE SIZE: **2"**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
1	SP	POORLY-GRADED SAND; brownish gray; damp					
2		Clay lense @ 2'	70	1			
3							
4							
5					B-7:5		
6						NO	Recon water sample
7							
8			80	1.4			
9				2.3			
10		POORLY-GRADED SAND WITH SILT; brownish gray, moist		2.2			
11		Silty Sand lense @ 9.5'					
12	SP			20.1	B-7:12		
13		Wet @ 13'	95				
14				0.1			
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-9

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
1	SP	SAND; brownish gray, damp	70	0.8			
2							
3							
4							
5		Clay lense @ 5'		0.8	B-9:5		
6	SM	SILTY SAND; reddish gray; moist	80	0.9		NO	Recon water sample
7							
8							
9							
10				0.7	B-9:10		
11		Reddish gray; wet @ 11'	100				
12				0.8			
13							
14							
15		End of Borehole		0.3			
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-10

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Bobcat mounted Powerprobe 9100-SK**	DATE: **11/12/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		CONCRETE/ ASPHALT					
2	SM	SILTY SAND; reddish brown; damp	15				
5					B-10: 5		
6	ML	SANDY SILT; reddish brown; damp	70			NO	Recon Water Sample
9		Wet @ 9' and grayish brown					
10					B-10: 10		
12			90				
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-11

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SANDY SILT; brownish gray; damp.	10		B-11:5	NO	Recon water sample
6–10	ML	SILT; brownish gray; wet.	90		B-11:10		
15		End of Borehole	80				

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-12

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0	SM	SILTY SAND WITH GRAVEL; reddish brown; damp.	50	0		NO	Recon water sample
5	SM	SANDY SILT; brownish gray; wet.	70	0	B-12:5		
10			90	0	B-12:8		
15		End of Borehole		0			

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-13

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0	SM	SILTY SAND WITH GRAVEL; reddish brown; damp.	90	3.7			
5				3.7	B-13:5		
6	ML	SILT; grayish brown; wet.	90	1.1			
8				0.3	B-13:8		
10				0.3		NO	Recon water sample
12			90				
15		End of Borehole		0			

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-14

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–4	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	60	0			
5–7	SM	SILTY SAND Wet @ 7.5'	60	0 0	B-14:5	NO	Recon water sample
8–14	ML	SANDY SILT	90	0 0	B-14:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-15

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0	SM	SILTY SAND WITH GRAVEL; reddish brown; damp	90				
5				1	B-15:5		
6		wet @ 6'		0			
7	ML	SANDY SILT; brownish gray; wet	80			NO	Recon water sample
10				0	B-15:10		
11				0			
12			95				
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-16

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**

BOREHOLE SIZE: **2"**

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	90	0 0	B-16:5		
6–10	ML	SILT WITH SAND; brownish gray; wet	20	0	B-16:10	NO	Recon water sample
10–13	ML		90	0			
13–20	ML	End or Borehole	100				

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-17

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	60	0		NO	Recon water sample
6				0	B-17:6		
6–9	ML	SILT WITH SAND; greyish brown; wet.	80	0			
9				0	B-17:10		
10–14			90				
15				0			
16–18			90				
20		End or Borehole					

NOTES: recon water sample B-17

ENVIRONMENTAL PARTNERS INC

BORING ID: B-18

SITE ADDRESS: **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**

BOREHOLE SIZE: **2"**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0	SM	SILTY SAND; reddish brown; damp	60	0			
5				0.6	B-18:5		
6	ML	SANDY SILT; reddish brown; wet	50			NO	Recon water sample
9		Brownish gray @ 9'					
10				0	B-18:10		
12			80				
14				0			
17			100				
19				0			
20		End or Borehole					

NOTES: recon water sample collected

ENVIRONMENTAL PARTNERS INC

BORING ID: B-19

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL	50			NO	Recon water sample
4	SM	SILTY SAND; brown; damp; trace gravel		0.4	B-19:5		
6	ML	SILT; brown; moist	70	0.8			
10	ML	SANDY SILT; grey; wet	100	0.5 0.8	B-19:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-20

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
2	ML	SANDY SILT; brown; damp; trace gravel	60				
5				1.2	B-20:5		
6	SM	SILTY SAND; brownish gray; moist	70	0.8		NO	Recon water sample
8		Sand Lense @ 8'					
10				0.2	B-20:10		
12	ML	SANDY SILT; grey; wet	95				
15		End of Borehole		0.4			

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-21

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND CONCRETE					
1	SM	SILTY SAND WITH GRAVEL; reddish brown; damp					
2	ML	SILT; brownish gray; damp	90	0.1			
3							
4		SILT WITH SAND; brownish gray; moist					
5				0.2	B-21:5		
6			50			NO	Recon water sample
7				0.1			
8		Wet @ 8'					
9	ML						
10				0.1	B-21:10		
11			100				
12				0			
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-22

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
1	SM	SILTY SAND; reddish brown; damp	70	0.5			
2							
3		Clay lense @ 3'					
4							
5				0	B-22:5		
6	ML	SILT WITH SAND; brownish gray; moist; trace sand	70	0.3		NO	
7							
8		Wet @ 8'					
9							
10				0.3	B-10:10		
11							
12			100	0.2			
13	SP-SM	POORLY-GRADED SAND WITH SILT; brownish gray; moist					
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-23

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT AND FILL					
1	SP-SM	POORLY-GRADED SAND WITH SILT; brownish gray; damp	60	0.4			
2							
3							
4		Moist @ 4'					
5				0.1	B-23:5		
6		SILTY WITH SAND; gray; moist	90	0.1		NO	Recon water sample
7							
8							
9	ML						
10		Wet @ 10'		0.1	B-23:10		
11			90				
12							
13	SP-SM	POORLY-GRADED SAND WITH SILT; gray		0.2			
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-24

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0							
1	SM	SILTY SAND WITH GRAVEL; grayish brown; damp; well graded; some gravel	90		B-24: 2	NO	
2							
3							
4					B-24: 4		
5		SILTY SAND; grayish brown; wet					
6					B-24: 6		
7			100				
8					B-24: 8		
9							
10	SM				B-24: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-24: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-25

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT					
1	SM	SILTY SAND WITH GRAVEL; reddish brown; damp					
2			60		B-25:2		
3		SILTY SAND; reddish brown; damp					
4					B-25:4		
5							
6	SM	Wet @ 6'			B-25:6		
7			90				
8		Grayish brown @ 8'			B-25:8		
9							
10		End of Borehole			B-25:10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-26

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT					
1	SM	SILTY SAND WITH GRAVEL; grayish brown; damp	80		B-26: 2	NO	
2							
3							
4					B-26: 4		
5	SP	POORLY-GRADED SAND					
6		SILTY SAND; brownish gray; wet			B-26: 6		
7			90				
8					B-26: 8		
9							
10	SM				B-26: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-26: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-27

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT					
		TILL					
1		SILTY SAND; reddish brown; damp					
2	SM		70		B-27: 2		
3							
4		POORLY-GRADED SAND WITH SILT; reddish brown			B-27: 4		
5	SP-SM						
6		SILTY WITH SAND; brownish gray; wet; trace sand			B-27: 6		
7			80			NO	
8					B-27: 8		
9							
10	ML				B-27: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-27: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-28

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT/FILL					
1	SM	SILTY SAND WITH GRAVEL; grayish brown; damp; some gravel	60		B-28: 2 B-28: 4		
5	ML	SILT WITH SAND; brownish gray; wet	70		B-28: 6 B-28: 8	NO	
10		End of Borehole			B-28:10		

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-29

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT/FILL					
1	SP	POORLY-GRADED SAND; reddish brown; damp; mostly fine sand with trace silt	60		B-29: 2 B-29: 4		
5							
6	ML	SILT WITH SAND; gray; damp-wet; trace sand	70		B-29: 6 B-29: 8	NO	
8		Wet @ 8'					
10		End of Borehole			B-29: 10		

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-30

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT/FILL					
1	ML	SILT WITH SAND; grayish brown; damp; some sand	60		B-30: 2	NO	
2							
3	SP	POORLT-GRADED SAND; reddish brown; damp			B-30: 4		
4							
5							
6	ML	SILT WITH SAND; gray; wet; trace sand	80		B-30: 6		
7							
8					B-30: 8		
9							
10		End of Borehole			B-30: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-31

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT/FILL					
1							
2		POORLT-GRADED SAND; reddish brown; damp	60		B-31: 2		
3	SP						
4					B-31: 4		
5							
6		SILTY SAND; gray; damp; trace sand			B-31: 6		
7		Wet @ 7'	80			NO	
8	SM				B-31: 8		
9							
10		End of Borehole			B-31: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-32

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT/FILL					
1	SM	SILTY SAND WITH GRAVEL; Reddish brown; damp; some gravel	60		B-32: 2	NO	
2							
3							
4	SP	POORLY-GRADED SAND; reddish brown; damp			B-32: 4		
5							
6	ML	SILT WITH SAND; gray; wet	80		B-32: 6		
7							
8					B-32: 8		
9							
10					B-32: 10		
11							
12			90				
13							
14							
15		End of Borehole			B-32: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-33

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT/FILL					
1	SM	SILTY SAND; reddish brown; damp	70		B-33: 2	NO	
2							
3							
4		Wet @ 4.5', increasing silt			B-33: 4		
5							
6		SILTY SAND; gray; wet			B-33: 6		
7	SM		95				
8					B-33: 8		
9							
10		End of Borehole			B-33: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-34

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		ASPHALT/FILL					
1	SM	SILTY SAND WITH GRAVEL; reddish gray; damp; some gravel	80		B-34: 2		
2							
3							
4					B-34: 4		
5							
6					B-34: 6		
7	SM	Silty Sand; gray; wet	100			NO	
8					B-34: 8		
9							
10		End of Borehole			B-34: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-35

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0		Asphalt					
1	SM	SILTY SAND WITH GRAVEL; reddish brown; damp	90		B-35: 2	NO	
2							
3							
4					B-35: 4		
5		SILTY SAND; brownish gray; damp					
6		Wet at 6'			B-35: 6		
7	SM		90				
8					B-35: 8		
9							
10		End of Borehole			B-35: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

Attachment B
Analytical Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 30, 2015

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 65112.0, F&BI 510383

Dear Mr. Koltes:

Included are the results from the testing of material submitted on October 26, 2015 from the 65112.0, F&BI 510383 project. There are 30 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Monica Mogg
EPI1030R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 26, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 510383 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
510383 -01	B-17:6
510383 -02	B-17:10
510383 -03	B-17
510383 -04	B-18:5
510383 -05	B-18:10
510383 -06	B-18
510383 -07	B-15:5
510383 -08	B-15:10
510383 -09	B-15
510383 -10	B-13:5
510383 -11	B-13:8
510383 -12	B-13
510383 -13	B-12:5
510383 -14	B-12:8
510383 -15	B-12
510383 -16	B-16:5
510383 -17	B-16:10
510383 -18	B-16
510383 -19	B-11:5
510383 -20	B-11:10
510383 -21	B-11
510383 -22	B-5:5
510383 -23	B-5:10
510383 -24	B-5
510383 -25	B-6:5
510383 -26	B-6:10
510383 -27	B-6

The 8260C trans-1,3-dichloropropene and 2,2-dichloropropane laboratory control sample and laboratory control sample duplicate exceeded the acceptance criteria. These analytes were not detected in the samples, therefore the data were acceptable. In addition, the 8260C dichlorodifluoromethane matrix spike and matrix spike duplicate relative percent difference sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/27/15
Date Analyzed: 10/27/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-17:6 510383-01	<50	870	103
B-18:5 510383-04	<50	<250	90
B-15:5 510383-07	260 x	4,700	98
B-13:5 510383-10	310 x	4,000	97
B-12:5 510383-13	<50	<250	103
B-16:5 510383-16	300 x	3,600	99
B-11:5 510383-19	<50	<250	103
Method Blank 05-2196 MB2	<50	<250	96

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/28/15
Date Analyzed: 10/28/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-17 510383-03	550 x	320 x	96
B-18 510383-06	120 x	<270	78
B-15 510383-09	560 x	500 x	91
B-13 510383-12	170 x	<250	91
B-12 510383-15	98 x	<260	81
B-16 510383-18	280 x	330 x	86
B-11 510383-21	91 x	<250	85
Method Blank 05-2210 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17:6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-01
Date Analyzed:	10/26/15	Data File:	102621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-04
Date Analyzed:	10/26/15	Data File:	102622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-07
Date Analyzed:	10/26/15	Data File:	102623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.028
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-10
Date Analyzed:	10/26/15	Data File:	102624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.072
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-13
Date Analyzed:	10/26/15	Data File:	102625.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-16
Date Analyzed:	10/26/15	Data File:	102626.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-19
Date Analyzed:	10/26/15	Data File:	102627.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-22
Date Analyzed:	10/26/15	Data File:	102628.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	97	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-25
Date Analyzed:	10/26/15	Data File:	102629.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2159 mb
Date Analyzed:	10/26/15	Data File:	102608.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-03
Date Analyzed:	10/26/15	Data File:	102633.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	95	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	21	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	1.4	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	26	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-06
Date Analyzed:	10/26/15	Data File:	102634.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-09
Date Analyzed:	10/26/15	Data File:	102635.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.95	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-12
Date Analyzed:	10/26/15	Data File:	102636.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-15
Date Analyzed:	10/26/15	Data File:	102637.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	95	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-18
Date Analyzed:	10/26/15	Data File:	102638.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-21
Date Analyzed:	10/26/15	Data File:	102639.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-24
Date Analyzed:	10/26/15	Data File:	102640.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-27
Date Analyzed:	10/27/15	Data File:	102641.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2158 mb
Date Analyzed:	10/26/15	Data File:	102617.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	98	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 510369-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	210	106	106	63-146	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	114	79-144

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	104	114	63-142	9

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510385-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	21	16	10-142	27 vo
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	41	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	47	43	10-138	9
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	58	10-163	2
Chloroethane	mg/kg (ppm)	2.5	<0.5	60	55	10-176	9
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	52	48	10-176	8
Acetone	mg/kg (ppm)	12.5	<0.5	72	74	10-163	3
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	61	56	10-160	9
Hexane	mg/kg (ppm)	2.5	<0.25	49	42	10-137	15
Methylene chloride	mg/kg (ppm)	2.5	<0.5	80	80	10-156	0
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	96	91	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	71	66	14-137	7
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	79	75	19-140	5
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	135	126	10-158	7
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	77	73	25-135	5
Chloroform	mg/kg (ppm)	2.5	<0.05	78	75	21-145	4
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	80	80	19-147	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	73	12-160	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	96	90	10-156	6
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	72	69	17-140	4
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	100	91	9-164	9
Benzene	mg/kg (ppm)	2.5	<0.03	75	72	29-129	4
Trichloroethene	mg/kg (ppm)	2.5	<0.02	75	72	21-139	4
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	85	83	30-135	2
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	82	23-155	4
Dibromomethane	mg/kg (ppm)	2.5	<0.05	76	74	23-145	3
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	87	86	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	99	98	28-144	1
Toluene	mg/kg (ppm)	2.5	<0.05	79	80	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	115	117	26-149	2
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	10-205	1
2-Hexanone	mg/kg (ppm)	12.5	<0.5	89	92	15-166	3
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	82	79	20-133	4
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	99	98	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	98	100	28-142	2
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-129	1
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	108	104	31-143	4
m,p-Xylene	mg/kg (ppm)	5	<0.1	85	83	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	86	83	33-134	4
Styrene	mg/kg (ppm)	2.5	<0.05	84	84	35-137	0
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	31-142	4
Bromoform	mg/kg (ppm)	2.5	<0.05	108	105	21-156	3
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	23-146	4
Bromobenzene	mg/kg (ppm)	2.5	<0.05	87	86	34-130	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	88	86	18-149	2
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	88	86	28-140	2
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	89	87	25-144	2
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	86	83	31-134	4
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	85	83	31-136	2
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	89	86	30-137	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	10-182	4
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	88	84	23-145	5
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	87	85	21-149	2
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	86	84	30-131	2
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	85	82	29-129	4
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	87	84	31-132	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	118	114	11-161	3
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	85	82	22-142	4
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	94	88	10-142	7
Naphthalene	mg/kg (ppm)	2.5	<0.05	86	83	14-157	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	87	84	20-144	4

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	36	10-146
Chloromethane	mg/kg (ppm)	2.5	53	27-133
Vinyl chloride	mg/kg (ppm)	2.5	63	22-139
Bromomethane	mg/kg (ppm)	2.5	72	38-114
Chloroethane	mg/kg (ppm)	2.5	70	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	74	10-196
Acetone	mg/kg (ppm)	12.5	85	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	77	47-128
Hexane	mg/kg (ppm)	2.5	77	43-142
Methylene chloride	mg/kg (ppm)	2.5	91	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	109	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	93	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	155	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	113	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	88	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	117	60-139
Benzene	mg/kg (ppm)	2.5	89	68-114
Trichloroethene	mg/kg (ppm)	2.5	88	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	100	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	99	72-130
Dibromomethane	mg/kg (ppm)	2.5	90	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	100	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	119	75-136
Toluene	mg/kg (ppm)	2.5	94	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	137 vo	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	98	75-113
2-Hexanone	mg/kg (ppm)	12.5	107	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	100	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	98	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	117	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	119	74-132
Chlorobenzene	mg/kg (ppm)	2.5	97	76-111
Ethylbenzene	mg/kg (ppm)	2.5	97	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	125	69-135
m,p-Xylene	mg/kg (ppm)	5	99	78-122
o-Xylene	mg/kg (ppm)	2.5	98	77-124
Styrene	mg/kg (ppm)	2.5	99	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	97	76-127
Bromoform	mg/kg (ppm)	2.5	125	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	99	74-124
Bromobenzene	mg/kg (ppm)	2.5	103	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	101	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	102	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	97	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	98	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	101	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	98	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	100	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	99	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	99	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	97	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	99	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	132	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	95	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	102	50-153
Naphthalene	mg/kg (ppm)	2.5	97	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	97	63-138

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510383-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	105	10-172
Chloromethane	ug/L (ppb)	50	<10	88	25-166
Vinyl chloride	ug/L (ppb)	50	21	92 b	36-166
Bromomethane	ug/L (ppb)	50	<1	106	47-169
Chloroethane	ug/L (ppb)	50	<1	104	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	93	44-165
Acetone	ug/L (ppb)	250	<10	78	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	86	60-136
Hexane	ug/L (ppb)	50	<1	90	52-150
Methylene chloride	ug/L (ppb)	50	<5	98	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	109	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	1.4	89	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	96	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	147	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	26	92 b	71-127
Chloroform	ug/L (ppb)	50	<1	91	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	98	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	89	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	115	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	90	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	120	56-152
Benzene	ug/L (ppb)	50	<0.35	90	76-125
Trichloroethene	ug/L (ppb)	50	<1	88	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	100	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	98	61-150
Dibromomethane	ug/L (ppb)	50	<1	89	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	100	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	118	72-132
Toluene	ug/L (ppb)	50	<1	94	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	124	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	98	68-131
2-Hexanone	ug/L (ppb)	250	<10	110	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	100	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	95	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	116	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	116	69-134
Chlorobenzene	ug/L (ppb)	50	<1	96	77-122
Ethylbenzene	ug/L (ppb)	50	<1	95	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	124	73-137
m,p-Xylene	ug/L (ppb)	100	<2	96	69-135
o-Xylene	ug/L (ppb)	50	<1	97	60-140
Styrene	ug/L (ppb)	50	<1	96	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	95	65-142
Bromoform	ug/L (ppb)	50	<1	122	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	97	58-144
Bromobenzene	ug/L (ppb)	50	<1	101	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	99	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	101	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	102	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	96	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	100	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	96	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	97	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	96	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	95	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	94	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	95	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	122	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	92	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	95	60-143
Naphthalene	ug/L (ppb)	50	<1	96	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	95	69-148

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	95	90	25-158	5
Chloromethane	ug/L (ppb)	50	84	78	45-156	7
Vinyl chloride	ug/L (ppb)	50	88	84	50-154	5
Bromomethane	ug/L (ppb)	50	105	102	55-143	3
Chloroethane	ug/L (ppb)	50	99	97	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	90	85	50-150	6
Acetone	ug/L (ppb)	250	83	84	53-131	1
1,1-Dichloroethene	ug/L (ppb)	50	85	81	67-136	5
Hexane	ug/L (ppb)	50	86	82	57-137	5
Methylene chloride	ug/L (ppb)	50	95	88	39-148	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	106	102	64-147	4
trans-1,2-Dichloroethene	ug/L (ppb)	50	86	83	68-128	4
1,1-Dichloroethane	ug/L (ppb)	50	93	89	79-121	4
2,2-Dichloropropane	ug/L (ppb)	50	158 vo	152 vo	55-143	4
cis-1,2-Dichloroethene	ug/L (ppb)	50	88	85	80-123	3
Chloroform	ug/L (ppb)	50	88	85	80-121	3
2-Butanone (MEK)	ug/L (ppb)	250	98	92	57-149	6
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	85	82	73-132	4
1,1,1-Trichloroethane	ug/L (ppb)	50	112	108	83-130	4
1,1-Dichloropropene	ug/L (ppb)	50	87	84	77-129	4
Carbon tetrachloride	ug/L (ppb)	50	119	114	75-158	4
Benzene	ug/L (ppb)	50	87	83	69-134	5
Trichloroethene	ug/L (ppb)	50	86	83	80-120	4
1,2-Dichloropropane	ug/L (ppb)	50	97	93	77-123	4
Bromodichloromethane	ug/L (ppb)	50	94	92	81-133	2
Dibromomethane	ug/L (ppb)	50	85	82	82-125	4
4-Methyl-2-pentanone	ug/L (ppb)	250	98	95	65-138	3
cis-1,3-Dichloropropene	ug/L (ppb)	50	114	111	82-132	3
Toluene	ug/L (ppb)	50	91	87	72-122	4
trans-1,3-Dichloropropene	ug/L (ppb)	50	122	119	80-136	2
1,1,2-Trichloroethane	ug/L (ppb)	50	95	91	75-124	4
2-Hexanone	ug/L (ppb)	250	104	100	60-136	4
1,3-Dichloropropane	ug/L (ppb)	50	96	92	76-126	4
Tetrachloroethene	ug/L (ppb)	50	93	88	76-121	6
Dibromochloromethane	ug/L (ppb)	50	112	109	84-133	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	112	108	82-125	4
Chlorobenzene	ug/L (ppb)	50	92	89	83-114	3
Ethylbenzene	ug/L (ppb)	50	92	88	77-124	4
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	120	117	84-127	3
m,p-Xylene	ug/L (ppb)	100	93	90	83-125	3
o-Xylene	ug/L (ppb)	50	93	91	81-121	2
Styrene	ug/L (ppb)	50	93	90	84-119	3
Isopropylbenzene	ug/L (ppb)	50	93	89	85-117	4
Bromoform	ug/L (ppb)	50	119	116	74-136	3
n-Propylbenzene	ug/L (ppb)	50	95	91	74-126	4
Bromobenzene	ug/L (ppb)	50	97	93	80-121	4
1,3,5-Trimethylbenzene	ug/L (ppb)	50	97	93	78-123	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	98	94	66-126	4
1,2,3-Trichloropropane	ug/L (ppb)	50	101	95	67-124	6
2-Chlorotoluene	ug/L (ppb)	50	93	90	77-127	3
4-Chlorotoluene	ug/L (ppb)	50	92	89	78-128	3
tert-Butylbenzene	ug/L (ppb)	50	98	94	80-123	4
1,2,4-Trimethylbenzene	ug/L (ppb)	50	94	90	79-122	4
sec-Butylbenzene	ug/L (ppb)	50	96	91	80-125	5
p-Isopropyltoluene	ug/L (ppb)	50	95	91	81-123	4
1,3-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,4-Dichlorobenzene	ug/L (ppb)	50	91	88	84-121	3
1,2-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	119	115	57-141	3
1,2,4-Trichlorobenzene	ug/L (ppb)	50	91	88	72-130	3
Hexachlorobutadiene	ug/L (ppb)	50	97	93	53-141	4
Naphthalene	ug/L (ppb)	50	94	91	64-133	3
1,2,3-Trichlorobenzene	ug/L (ppb)	50	93	90	65-136	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/ET2/A23

Page # 1 of 3

Send Report To Eric Kolks / Monica Moggs

Company Environmental Partners, Inc

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA 98027

Phone # (425) 395-0010 Fax # (425) 395-0011

SAMPLERS *(signature)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard ~~(2 Weeks)~~ 5 day
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS								Notes
B-17:6	01A-E		0815	soil	5	X			X										
B-17:10	02		0820	soil	1														
B-17	03A-E		0830	water	5	X			X										
B-18:5	04T		0855	soil	5	X			X										
B-18:10	05		0900	soil	1														
B-18	06A-E		0910	water	5	X			X										
B-15:5	07T		0940	soil	5	X			X										
B-15:10	08		0945	soil	1														
B-15	09A-E		0955	water	5	X			X										Samples received at 5 °C
B-13:5	10T		1005	soil	5	X			X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Moggs	EPI	10/23/15	1415
Received by:	Michael Erdahl	FEBinc	10/26/15	0751
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

510383

SAMPLE CHAIN OF CUSTODY

ME 10-28-15 V3/C12/A03

Page # 2 of 3

Send Report To Eric Kolles / M. Mogg

Company Environmental Partners, Inc

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA 98027

Phone # (425) 395-0010 Fax # (425) 395-0011

SAMPLERS *(signature)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~ 5 Dy)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
						ANALYSES REQUESTED												
B-13:8	11	10/23/15	1010	Soil	1				X									HOLD
B-13	12 MS		1020	water	5	X			X									
B-12:5	13 T		1035	Soil	5	X			X									
B-12:8	14		1040	Soil	1													
B-12	15 MS		1050	water	5	X			X									
B-16:5	16 T		1105	Soil	5	X			X									
B-16:10	17		1110	Soil	1													
B-16	18 MS		1120	water	5	X			X									
B-11:5	19 T		1140	Soil	5	X			X									Samples received at 5 °C
B-11:10	20	↓	1145	Soil	5													

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	ERI	10/23/15	1145
Received by:	Michael Erdahl	FB	10/26/15	0751
Relinquished by:				
Received by:				

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/652/703

Page # 3 of B

Send Report To Eric Kolles / Monica Moggs

Company Environmental Partners, Inc

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA 98027

Phone # (425) 395-0010 Fax # (425) 395-0011

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 days
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-11	21A-E	10/23/15	1155	water	5	X			X									
B-5:5	22A-D		1210	Soil	4				X									
B-5:10	23		1215	Soil	4													
B-5	24		1220	water	4				X									
B-6:5	25		1230	Soil	4				X									
B-6:10	26		1235	Soil	4													
B-6	27	↓	1245	water	4				X									
																		Samples received at 5 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Monica Moggs	EPI	10/23/15	1415
Received by:		Michael Erdell	FEBruce	10/26/15	0751
Relinquished by:					
Received by:					

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 11, 2015

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 65112.0, F&BI 511066

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 6, 2015 from the 65112.0, F&BI 511066 project. There are 31 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Monica Mogg
EPI1111R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 6, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511066 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511066 -01	B-14:5
511066 -02	B-14:10
511066 -03	B-14
511066 -04	B-21:5
511066 -05	B-21:10
511066 -06	B-21
511066 -07	B-22:5
511066 -08	B-22:10
511066 -09	B-22
511066 -10	B-23:5
511066 -11	B-23:10
511066 -12	B-23
511066 -13	B-7:5
511066 -14	B-7:12
511066 -15	B-7
511066 -16	B-9:5
511066 -17	B-9:10
511066 -18	B-9
511066 -19	B-19:5
511066 -20	B-19:10
511066 -21	B-19
511066 -22	B-20:5
511066 -23	B-20:10
511066 -24	B-20
511066 -25	B-3:5
511066 -26	B-3:8
511066 -27	B-3
511066 -28	B-4:6
511066 -29	B-4:10
511066 -30	B-4
511066 -31	B-2:5
511066 -32	B-2:10
511066 -33	B-2

CASE NARRATIVE (Continued)

The 8260C hexachlorobutadiene matrix spike sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 53-144)
B-3:5 511066-25	ND	ND	ND	97
B-4:6 511066-28	ND	ND	ND	92
B-2:5 511066-31	ND	ND	ND	94
Method Blank 05-2276 MB	ND	ND	ND	96

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 56-165)
B-3 511066-27 1/1.7	ND	ND	ND	80
B-4 511066-30	ND	ND	ND	81
B-2 511066-33	ND	ND	ND	85
Method Blank 05-2277 MB	ND	ND	ND	79

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B-7:12 511066-14	<0.02	<0.02	<0.02	<0.06	<2	92
B-9:5 511066-16	<0.02	<0.02	<0.02	<0.06	<2	93
Method Blank 05-2257 MB	<0.02	<0.02	<0.02	<0.06	<2	95

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
B-7 511066-15	<1	<1	<1	<3	<100	93
B-9 511066-18	<1	<1	<1	<3	<100	95
Method Blank 05-2221 MB	<1	<1	<1	<3	<100	94

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-14:5 511066-01	<50	<250	86
B-21:5 511066-04	<50	<250	86
B-22:5 511066-07	<50	<250	88
B-23:5 511066-10	<50	<250	86
B-19:5 511066-19	<50	<250	86
B-20:5 511066-22	<50	<250	77
Method Blank 05-2278 MB	<50	<250	85

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-14 511066-03	<50	<250	72
B-21 511066-06	170 x	<250	81
B-22 511066-09	<50	<250	82
B-23 511066-12	<50	<250	79
B-19 511066-21	<50	<250	82
B-20 511066-24	<50	<250	87
Method Blank 05-2277 MB	<50	<250	79

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-01
Date Analyzed:	11/06/15	Data File:	110619.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-19
Date Analyzed:	11/06/15	Data File:	110620.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-22
Date Analyzed:	11/06/15	Data File:	110621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-25
Date Analyzed:	11/06/15	Data File:	110622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	102	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4:6	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-28
Date Analyzed:	11/06/15	Data File:	110623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-31
Date Analyzed:	11/06/15	Data File:	110624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2245 mb2
Date Analyzed:	11/06/15	Data File:	110606.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-03
Date Analyzed:	11/06/15	Data File:	110613.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.0	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-21
Date Analyzed:	11/06/15	Data File:	110614.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-24
Date Analyzed:	11/06/15	Data File:	110615.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-27
Date Analyzed:	11/06/15	Data File:	110616.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-30
Date Analyzed:	11/06/15	Data File:	110617.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	103	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-33
Date Analyzed:	11/06/15	Data File:	110618.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2246 mb
Date Analyzed:	11/06/15	Data File:	110605.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 511063-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	97	66-121
Toluene	mg/kg (ppm)	0.5	96	72-128
Ethylbenzene	mg/kg (ppm)	0.5	98	69-132
Xylenes	mg/kg (ppm)	1.5	98	69-131
Gasoline	mg/kg (ppm)	20	100	61-153

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 511064-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	97	65-118
Toluene	ug/L (ppb)	50	96	72-122
Ethylbenzene	ug/L (ppb)	50	96	73-126
Xylenes	ug/L (ppb)	150	95	74-118
Gasoline	ug/L (ppb)	1,000	98	69-134

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511066-22 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	102	73-135	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	86	88	63-142	2

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511046-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	29	30	10-142	3
Chloromethane	mg/kg (ppm)	2.5	<0.5	54	55	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	57	58	10-138	2
Bromomethane	mg/kg (ppm)	2.5	<0.5	72	74	10-163	3
Chloroethane	mg/kg (ppm)	2.5	<0.5	73	74	10-176	1
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	67	68	10-176	1
Acetone	mg/kg (ppm)	12.5	<0.5	85	86	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	72	10-160	0
Hexane	mg/kg (ppm)	2.5	<0.25	67	68	10-137	1
Methylene chloride	mg/kg (ppm)	2.5	<0.5	85	89	10-156	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	87	88	21-145	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	81	82	14-137	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	19-140	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	82	82	10-158	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	85	87	25-135	2
Chloroform	mg/kg (ppm)	2.5	<0.05	85	88	21-145	3
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	85	83	19-147	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	80	82	12-160	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	85	87	10-156	2
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	82	83	17-140	1
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	88	89	9-164	1
Benzene	mg/kg (ppm)	2.5	<0.03	82	82	29-129	0
Trichloroethene	mg/kg (ppm)	2.5	<0.02	81	83	21-139	2
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	86	86	30-135	0
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	86	23-155	1
Dibromomethane	mg/kg (ppm)	2.5	<0.05	89	89	23-145	0
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	88	87	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	89	89	28-144	0
Toluene	mg/kg (ppm)	2.5	<0.05	82	83	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	87	88	26-149	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	84	84	10-205	0
2-Hexanone	mg/kg (ppm)	12.5	<0.5	85	83	15-166	2
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	77	78	20-133	1
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	84	86	28-150	2
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	82	83	28-142	1
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	83	32-129	0
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	86	89	31-143	3
m,p-Xylene	mg/kg (ppm)	5	<0.1	83	85	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	85	86	33-134	1
Styrene	mg/kg (ppm)	2.5	<0.05	84	86	35-137	2
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	84	86	31-142	2
Bromoform	mg/kg (ppm)	2.5	<0.05	89	90	21-156	1
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	23-146	1
Bromobenzene	mg/kg (ppm)	2.5	<0.05	85	85	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	18-149	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	84	85	28-140	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	83	83	25-144	0
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	81	83	31-134	2
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	83	83	31-136	0
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	86	87	30-137	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	83	10-182	0
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	85	86	23-145	1
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	84	84	21-149	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	81	82	30-131	1
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	80	80	29-129	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	82	83	31-132	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	88	90	11-161	2
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	82	84	22-142	2
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	91	93	10-142	2
Naphthalene	mg/kg (ppm)	2.5	<0.05	83	84	14-157	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	80	82	20-144	2

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	41	10-146
Chloromethane	mg/kg (ppm)	2.5	61	27-133
Vinyl chloride	mg/kg (ppm)	2.5	68	22-139
Bromomethane	mg/kg (ppm)	2.5	82	38-114
Chloroethane	mg/kg (ppm)	2.5	76	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	34	10-196
Acetone	mg/kg (ppm)	12.5	89	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	83	47-128
Hexane	mg/kg (ppm)	2.5	85	43-142
Methylene chloride	mg/kg (ppm)	2.5	95	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	90	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	88	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	85	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	86	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	96	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	92	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	102	60-139
Benzene	mg/kg (ppm)	2.5	90	68-114
Trichloroethene	mg/kg (ppm)	2.5	90	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	94	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	95	72-130
Dibromomethane	mg/kg (ppm)	2.5	98	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	99	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	102	75-136
Toluene	mg/kg (ppm)	2.5	91	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	93	75-113
2-Hexanone	mg/kg (ppm)	12.5	95	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	95	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	89	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	99	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	95	74-132
Chlorobenzene	mg/kg (ppm)	2.5	91	76-111
Ethylbenzene	mg/kg (ppm)	2.5	92	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	99	69-135
m,p-Xylene	mg/kg (ppm)	5	94	78-122
o-Xylene	mg/kg (ppm)	2.5	93	77-124
Styrene	mg/kg (ppm)	2.5	94	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	93	76-127
Bromoform	mg/kg (ppm)	2.5	109	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	95	74-124
Bromobenzene	mg/kg (ppm)	2.5	97	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	95	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	93	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	93	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	95	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	97	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	96	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	96	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	92	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	92	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	93	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	105	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	94	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	93	50-153
Naphthalene	mg/kg (ppm)	2.5	92	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	91	63-138

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511063-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	108	10-172
Chloromethane	ug/L (ppb)	50	<10	98	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	97	36-166
Bromomethane	ug/L (ppb)	50	<1	122	47-169
Chloroethane	ug/L (ppb)	50	<1	117	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	102	44-165
Acetone	ug/L (ppb)	250	<10	83	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	96	60-136
Hexane	ug/L (ppb)	50	3.0	77	52-150
Methylene chloride	ug/L (ppb)	50	<5	102	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	99	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	99	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	93	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	71-127
Chloroform	ug/L (ppb)	50	<1	99	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	92	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	92	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	99	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	97	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	103	56-152
Benzene	ug/L (ppb)	50	5.2	94	76-125
Trichloroethene	ug/L (ppb)	50	<1	95	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	97	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	96	61-150
Dibromomethane	ug/L (ppb)	50	<1	101	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	98	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	72-132
Toluene	ug/L (ppb)	50	26	94 b	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	94	68-131
2-Hexanone	ug/L (ppb)	250	<10	92	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	95	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	84	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	96	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	94	69-134
Chlorobenzene	ug/L (ppb)	50	<1	91	77-122
Ethylbenzene	ug/L (ppb)	50	7.6	89	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	99	73-137
m,p-Xylene	ug/L (ppb)	100	67	87 b	69-135
o-Xylene	ug/L (ppb)	50	48	88 b	60-140
Styrene	ug/L (ppb)	50	<1	94	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	86	65-142
Bromoform	ug/L (ppb)	50	<1	98	65-142
n-Propylbenzene	ug/L (ppb)	50	2.6	82	58-144
Bromobenzene	ug/L (ppb)	50	<1	92	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	16	83 b	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	94	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	92	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	90	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	82	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	42	81 b	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	75	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	75	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	84	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	83	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	87	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	100	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	77	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	52 vo	60-143
Naphthalene	ug/L (ppb)	50	9.0	89	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	78	69-148

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	100	104	25-158	4
Chloromethane	ug/L (ppb)	50	91	89	45-156	2
Vinyl chloride	ug/L (ppb)	50	92	92	50-154	0
Bromomethane	ug/L (ppb)	50	116	115	55-143	1
Chloroethane	ug/L (ppb)	50	109	111	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	99	99	50-150	0
Acetone	ug/L (ppb)	250	89	92	53-131	3
1,1-Dichloroethene	ug/L (ppb)	50	92	94	67-136	2
Hexane	ug/L (ppb)	50	96	96	57-137	0
Methylene chloride	ug/L (ppb)	50	97	100	39-148	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	93	94	64-147	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	93	94	68-128	1
1,1-Dichloroethane	ug/L (ppb)	50	92	94	79-121	2
2,2-Dichloropropane	ug/L (ppb)	50	92	94	55-143	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	92	94	80-123	2
Chloroform	ug/L (ppb)	50	92	93	80-121	1
2-Butanone (MEK)	ug/L (ppb)	250	95	90	57-149	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	88	85	73-132	3
1,1,1-Trichloroethane	ug/L (ppb)	50	97	97	83-130	0
1,1-Dichloropropene	ug/L (ppb)	50	94	95	77-129	1
Carbon tetrachloride	ug/L (ppb)	50	105	105	75-158	0
Benzene	ug/L (ppb)	50	90	90	69-134	0
Trichloroethene	ug/L (ppb)	50	91	90	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	94	95	77-123	1
Bromodichloromethane	ug/L (ppb)	50	95	94	81-133	1
Dibromomethane	ug/L (ppb)	50	97	97	82-125	0
4-Methyl-2-pentanone	ug/L (ppb)	250	96	95	65-138	1
cis-1,3-Dichloropropene	ug/L (ppb)	50	100	100	82-132	0
Toluene	ug/L (ppb)	50	89	90	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	101	101	80-136	0
1,1,2-Trichloroethane	ug/L (ppb)	50	90	91	75-124	1
2-Hexanone	ug/L (ppb)	250	90	88	60-136	2
1,3-Dichloropropane	ug/L (ppb)	50	92	91	76-126	1
Tetrachloroethene	ug/L (ppb)	50	85	86	76-121	1
Dibromochloromethane	ug/L (ppb)	50	95	96	84-133	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	92	91	82-125	1
Chlorobenzene	ug/L (ppb)	50	88	89	83-114	1
Ethylbenzene	ug/L (ppb)	50	90	90	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	95	99	84-127	4
m,p-Xylene	ug/L (ppb)	100	89	91	83-125	2
o-Xylene	ug/L (ppb)	50	89	91	81-121	2
Styrene	ug/L (ppb)	50	90	91	84-119	1
Isopropylbenzene	ug/L (ppb)	50	89	91	85-117	2
Bromoform	ug/L (ppb)	50	101	101	74-136	0
n-Propylbenzene	ug/L (ppb)	50	90	90	74-126	0
Bromobenzene	ug/L (ppb)	50	92	92	80-121	0
1,3,5-Trimethylbenzene	ug/L (ppb)	50	91	91	78-123	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	91	91	66-126	0
1,2,3-Trichloropropane	ug/L (ppb)	50	89	88	67-124	1
2-Chlorotoluene	ug/L (ppb)	50	88	88	77-127	0
4-Chlorotoluene	ug/L (ppb)	50	90	90	78-128	0
tert-Butylbenzene	ug/L (ppb)	50	93	94	80-123	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	89	90	79-122	1
sec-Butylbenzene	ug/L (ppb)	50	92	92	80-125	0
p-Isopropyltoluene	ug/L (ppb)	50	90	90	81-123	0
1,3-Dichlorobenzene	ug/L (ppb)	50	87	88	85-116	1
1,4-Dichlorobenzene	ug/L (ppb)	50	86	87	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	88	88	85-116	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	99	98	57-141	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	90	90	72-130	0
Hexachlorobutadiene	ug/L (ppb)	50	87	87	53-141	0
Naphthalene	ug/L (ppb)	50	90	90	64-133	0
1,2,3-Trichlorobenzene	ug/L (ppb)	50	88	89	65-136	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C3/VS2/BOS

Page # 1 of 4

Send Report To Eric Kolles/Monica Mogg

Company Environmental Partners, Inc

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA 98027

Phone # (425) 395-0010 Fax # (425) 395-0011

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-14:5	01A-E	11/5/15	1500	Soil	5	X			X									
B-14:10	02		1505	Soil	5													
B-14	03		1520	water	5	X			X									
B-21:5	04		1605	Soil	1	X												
B-21:10	05		1610	Soil	1													
B-21	06		1625	water	1	X												
B-22:5	07		1650	Soil	1	X												
B-22:10	08		1655	Soil	1													
B-22	09		1700	water	1	X												Samples received at 4 °C
B-23:5	10		1720	Soil	1	X												

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/6/15	0759
Received by:	Michael Endahl	FGBrn	11/6/15	↓
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/CF3/VS2/B05

Page # 2 of 4

Send Report To Eric Koltes / M. Maggs

Company Environmental Partners, Inc

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA 98027

Phone # (425) 395-0010 Fax # (425) 395-0011

SAMPLERS (*signature*)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Notes
B-23:10	11	11/5/15	0725	soil	1							
B-23	12	11/5/15	0735	water	1	X						
B-7:5	13A-E	11/5/15	1755	soil	5							
B-7:12	14T	11/5/15	1800	soil	5			X				Gx + BTEX
B-7	15A-C	11/5/15	1010	water	3	NO Dx	X	X				
B-9:5	16A-E		1830	soil	5		X	X				
B-9:10	17T		1835	soil	5							
B9	18A-C		1840	water	3		X	X				
B-19:5	19A-E		1925	soil	5	X			X			
B-19:10	20T	✓	1930	soil	5							

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Maggs	EPI	11/6/15	0759
Received by:	Michael Erdahl	FeBru	↓	↓
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/CI3/VC2/B15

Page # 3 of 4

Send Report To E.Koltes / M.Mogg

Company EPI

Address

City, State, ZIP Issaquah WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature) [signature]	
PROJECT NAME/NO. 651120	PO#
REMARKS	

TURNAROUND TIME
- ☒ Standard (~~2 Weeks~~) 5 day
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-19	21A-E	11/6/15	1940	water	5	X			X									
B-20:5	22		1955	soil	5	X			X									
B-20:10	23		2000	soil	5													
B-20	24		2010	water	5	X			X									
B-3:5	25		2110	soil	5				X			X						
B-3:8	26		2120	soil	5													
B-3	27A-F		2130	water	6				X			X						
B-4:6	28A-E		2150	soil	5				X			X						
B-4:10	29		2155	soil	5													Samples received at 4 °C
B-4	30		2200	water	5				X			X						

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Monica Mogg	EPI	11/6/15	0759
Received by: [signature]	Michael Erdahl	F&Bruya	↓	↓
Relinquished by:				
Received by:				

FORMS\COC\COC.DOC

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/CI3/VE2/B05

Page # 4 of 4

Send Report To E.Koltes / M.Mogg

Company EPI

Address

City, State, ZIP Issaquah WA

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-2:5	31 A-E	11/5/15	2250	Soil	5				X			X						
B-2:10	32	↓	2255	Soil	5													
B-2	33	↓	2300	water	5				X			X						
																		Samples received at ____ °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	[signature]	Monica Mogg	EPI	11/6/15	0759
Received by:	[signature]	Michael Erdahl	F&BI	↓	↓
Relinquished by:					
Received by:					

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 19, 2015

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 65112.0, F&BI 511183

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 13, 2015 from the 65112.0, F&BI 511183 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Monica Mogg
EPI1119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 13, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511183 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511183-01	B-10:5'
511183-02	B-10:10'
511183-03	B-10'

All quality control requirements were acceptable.

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183
Date Extracted: 11/16/15
Date Analyzed: 11/16/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B-10:5' 511183-01	<0.02	<0.02	<0.02	<0.06	<2	100
Method Blank 05-2321 MB	<0.02	<0.02	<0.02	<0.06	<2	99

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183
Date Extracted: 11/16/15
Date Analyzed: 11/16/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
B-10' 511183-03	4.9	1.4	1.1	5.2	160	94
Method Blank 05-2320 MB	<1	<1	<1	<3	<100	94

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 511197-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	89	69-120
Toluene	mg/kg (ppm)	0.5	92	70-117
Ethylbenzene	mg/kg (ppm)	0.5	93	65-123
Xylenes	mg/kg (ppm)	1.5	89	66-120
Gasoline	mg/kg (ppm)	20	105	71-131

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 511189-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	100	65-118
Toluene	ug/L (ppb)	50	98	72-122
Ethylbenzene	ug/L (ppb)	50	98	73-126
Xylenes	ug/L (ppb)	150	96	74-118
Gasoline	ug/L (ppb)	1,000	98	69-134

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

511183

SAMPLE CHAIN OF CUSTODY

ME 11-13-15 # C1/V1

Send Report To Eric Koltes / M. Mazz
Company EPI
Address 1180 NW Maple St, Ste 310
City, State, ZIP Issaquah, WA
Phone # 425-395-0101 Fax #

SAMPLERS (signature)
PROJECT NAME/NO. 651120 | PO#
REMARKS

Page # 1 of 1
TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-10:5'	01 A-D	11/12/15	1925	soil	4		X	X										
B-10:10'	02 T		1930	soil	4													
B-10	03 A-C		1940	water	3		X	X										
~~B-8:5~~			~~2035~~	~~soil~~	~~4~~		~~X~~	~~X~~										
~~B-8:10~~			~~2040~~	~~soil~~	~~4~~													
~~B-8~~		↓	~~2030~~	~~water~~	~~3~~		~~X~~	~~X~~										
																		Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Monica Mazz	EPI	11/13/15	0700
Received by: [signature]	Jason Kobs	Fedex	11/13/15	10:36 Am
Relinquished by:				
Received by: [signature]	Nhan Phan	FeBI	11/13/15	1120

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 24, 2015

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 65112.0, F&BI 511292

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511292 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511292 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511292 -01	B-24:2
511292 -02	B-24:4
511292 -03	B-24:6
511292 -04	B-24:8
511292 -05	B-24:10
511292 -06	B-24:15
511292 -07	B-25:2
511292 -08	B-25:4
511292 -09	B-25:6
511292 -10	B-25:8
511292 -11	B-25:10
511292 -12	B-26:2
511292 -13	B-26:4
511292 -14	B-26:6
511292 -15	B-26:8
511292 -16	B-26:10
511292 -17	B-26:15
511292 -18	B-27:2
511292 -19	B-27:4
511292 -20	B-27:6
511292 -21	B-27:8
511292 -22	B-27:10
511292 -23	B-27:15
511292 -24	B-28:2
511292 -25	B-28:4
511292 -26	B-28:6
511292 -27	B-28:8
511292 -28	B-28:10
511292 -29	B-29:2
511292 -30	B-29:4
511292 -31	B-29:6
511292 -32	B-29:8
511292 -33	B-29:10
511292 -34	B-30:2
511292 -35	B-30:4
511292 -36	B-30:6

CASE NARRATIVE (continued)

Laboratory ID	Environmental Partners
511292 -37	B-30:8
511292 -38	B-30:10
511292 -39	B-31:2
511292 -40	B-31:4
511292 -41	B-31:6
511292 -42	B-31:8
511292 -43	B-31:10
511292 -44	B-32:2
511292 -45	B-32:4
511292 -46	B-32:6
511292 -47	B-32:8
511292 -48	B-32:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-24:2 511292-01	490 x	4,200	88
B-24:4 511292-02	330 x	4,800	92
B-24:6 511292-03	<50	<250	93
B-24:8 511292-04	<50	<250	95
B-24:10 511292-05	<50	<250	91
B-24:15 511292-06	<50	<250	105
B-25:2 511292-07	<50	<250	97
B-25:4 511292-08	<50	<250	89
B-25:6 511292-09	<50	<250	103
B-25:8 511292-10	<50	<250	99

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-25:10 511292-11	<50	<250	104
B-26:2 511292-12	270 x	4,300	90
B-26:4 511292-13	290 x	4,600	89
B-26:6 511292-14	<50	<250	89
B-26:8 511292-15	<50	<250	88
B-26:10 511292-16	<50	<250	89
B-26:15 511292-17	<50	<250	93
B-27:2 511292-18	<50	<250	96
B-27:4 511292-19	<50	<250	92
B-27:6 511292-20	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-27:8 511292-21	<50	<250	99
B-27:10 511292-22	<50	<250	94
B-27:15 511292-23	<50	<250	97
B-28:2 511292-24	200 x	2,600	93
B-28:4 511292-25	<50	<250	91
B-28:6 511292-26	<50	<250	98
B-28:8 511292-27	<50	<250	100
B-28:10 511292-28	<50	<250	101
B-29:2 511292-29	<50	<250	103
B-29:4 511292-30	<50	<250	95

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-29:6 511292-31	<50	<250	105
B-29:8 511292-32	<50	<250	91
B-29:10 511292-33	<50	<250	102
B-30:2 511292-34	<50	<250	91
B-30:4 511292-35	<50	<250	90
B-30:6 511292-36	<50	<250	97
B-30:8 511292-37	<50	<250	98
B-30:10 511292-38	<50	<250	103
B-31:2 511292-39	<50	<250	90
B-31:4 511292-40	<50	<250	88

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-31:6 511292-41	<50	<250	87
B-31:8 511292-42	<50	<250	98
B-31:10 511292-43	<50	<250	97
B-32:2 511292-44	85 x	2,200	96
B-32:4 511292-45	<50	<250	102
B-32:6 511292-46	<50	<250	89
B-32:8 511292-47	<50	<250	91
B-32:10 511292-48	<50	<250	89
Method Blank 05-2379 MB	<50	<250	104
Method Blank 05-2382 MB	<50	<250	73
Method Blank 05-2383 MB	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511274-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	109	110	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	111	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511292-25 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	102	99	64-133	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511282-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	86	90	63-146	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	93	79-144

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

511292 ME 11/20/15 COC

SAMPLE CHAIN OF CUSTODY

Send Report To Eric Foltz / M. Mozz
Company EPI
Address 1180 NW Maple St, Ste 310
City, State, ZIP Issaquah, WA
Phone # 425-395-0010 Fax #

SAMPLERS (signature)
PROJECT NAME/NO. 65112-0
PO#
REMARKS

Page # 1 of 1

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH 24 hr
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-24:2	01	11/20/15	0900	soil	1	X											
B-24:4	02		0902		1	X											
B-24:6	03		0904		1	X											
B-24:8	04		0904		1	X											
B-24:10	05		0908		1	X											
B-24:15	06		0915		1	X											
B-25:2	07		0940		1	X											
B-25:4	08		0942		1	X											
B-25:6	09		0948		1	X											
B-25:8	10		0950		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mozz	EPI	11/20/15	1212
Received by:	Matt Langston	FBI	11/20/15	1212
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

5/1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 COC

Page # 2 of 3

Send Report To Eric Foltes / M. Monge

Company EPT

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0210 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24 hr

Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-25:10	11	11/20/15	0952	Soil	1	X												
B-26:2	12		1005		1	X												
B-26:4	13		1007		1	X												
B-26:6	14		1011		1	X												
B-26:8	15		1013		1	X												
B-26:10	16		1015		1	X												
B-26:15	17		1019		1	X												
B-27:2	18		1030		1	X												
B-27:4	19		1032		1	X												
B-27:6	20	↓	1036	↓	1	X												Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Monge	EPT	11/20/15	1212
Received by:	Matt Longtin	FBT	11/20/15	1212
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

5T1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 CO

Page # 3 of 3

Send Report To Eric Koltes / M-Mogg

Company EPI

Address 11180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24 hr

Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-27:8	21	11/20/15	1038	Soil	1	X											
B-27:10	22		1040		1	X											
B-27:15	23		1044		1	X											
B-28:2	24		1055		1	X											
B-28:4	25		1057		1	X											
B-28:6	26		1059		1	X											
B-28:8	27		1101		1	X											
B-28 10	28		1103		1	X											
B-29:2	29		1112		1	X											
B-29:4	30		1114		1	X											

Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langston	EPI	11/20/15	1212
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

5/1293

SAMPLE CHAIN OF CUSTODY

MAE 11/20/15 COC

Page # 4 of 5

Send Report To Eric Kolte's / M. Mayer

Company EPI

Address 1100 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-29:6	31	11/20/15	1118	Soil	1	X											
B-29:8	32		1120		1	X											
B-29:10	33		1122		1	X											
B-30:2	34		1132		1	X											
B-30:4	35		1134		1	X											
B-30:6	36		1137		1	X											
B-30:8	37		1139		1	X											
B-30:10	38		1141		1	X											
B-31:2	39		1156		1	X											
B-31:4	40		1158		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayer	EPI	11/20/15	1212
Received by:	Matt Longsdorf	FBI	11/20/15	12:12
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

511293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 COC

Page # 5 of 5

Send Report To Eric Kolles / M. Mogg

Company EPI

Address 1100 NW Maple St, ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-31:6	41	11/20/15	1200	Soil	1	X												
B-31:8	42		1202		1	X												
B-31:10	43		1204		1	X												
B-32:2	44		1209		1	X												
B-32:4	45		1211		1	X												
B-32:6	46		1212		1	X												
B-32:8	47		1213		1	X												
B-32:10	48		1214		1	X												
~~B-32:15~~					1	X												
					1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langton	FBTec	11/20/15	1212
Relinquished by:				
Received by:				

Samples received at 3 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 24, 2015

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 65112.0, F&BI 511298

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511298 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511298 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511298 -01	B-32:15
511298 -02	B-33:2
511298 -03	B-33:4
511298 -04	B-33:6
511298 -05	B-33:8
511298 -06	B-33:10
511298 -07	B-34:2
511298 -08	B-34:4
511298 -09	B-34:6
511298 -10	B-34:8
511298 -11	B-34:10
511298 -12	B-35:2
511298 -13	B-35:4
511298 -14	B-35:6
511298 -15	B-35:8
511298 -16	B-35:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-32:15 511298-01	<50	<250	86
B-33:2 511298-02	<50	<250	80
B-33:4 511298-03	<50	<250	81
B-33:6 511298-04	<50	570	81
B-33:8 511298-05	<50	<250	84
B-33:10 511298-06	<50	<250	81
B-34:2 511298-07	180 x	2,600	76
B-34:4 511298-08	200 x	2,600	75
B-34:6 511298-09	<50	<250	81
B-34:8 511298-10	<50	<250	86
B-34:10 511298-11	<50	<250	82

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-35:2 511298-12	<50	<250	83
B-35:4 511298-13	<50	<250	83
B-35:6 511298-14	<50	<250	83
B-35:8 511298-15	<50	<250	82
B-35:10 511298-16	<50	<250	83
Method Blank 05-2385 MB	<50	<250	92

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511298-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	97	73-135	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

511298

SAMPLE CHAIN OF CUSTODY

ME 11-20-15

605

Page # 1 of 2

Send Report To Eric Kolles

Company EPI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS *(signature)*

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-32:15	01	11/20/15	1220	So;l	1	X												
B-32:2	02		1230		1	X												
B-33:4	03		1231		1	X												
B-33:6	04		1233		1	X												
B-33:8	05		1234		1	X												
B-33:10	06		1235		1	X												
B-34:2	07		1240		1	X												
B-34:4	08		1241		1	X												
B-34:6	09		1243		1	X												
B-34:8	10		1244		1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayer	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:				
Received by:		Samples received at 5 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

511298

SAMPLE CHAIN OF CUSTODY

HE 11-20-15 COS

Page # 2 of 2

Send Report To Eric Kolte3 / M. Mayo
Company EPI
Address 1180 NW Maple St, Ste 310
City, State, ZIP Issaquah, WA
Phone # 425-295-0800 Fax #

SAMPLERS (signature)
PROJECT NAME/NO. 65112.0
PO#
REMARKS

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH 24hr
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-34:10	11	11/20/15	1245	Soil	1	X												
B-35:2	12		1308		1	X												
B-35:4	13		1310		1	X												
B-35:6	14		1312		1	X												
B-35:8	15		1314		1	X												
B-35:10	16	↓	1315	↓	1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Maura Mayo	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:			5	
Received by:		Samples received at		°C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044