Site Assessment

Roy Farms 401 Walters Road Moxee, Washington

for Washington State Department of Ecology

December 4, 2024

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Site Assessment

Roy Farms 401 Walters Road Moxee, Washington

File No. 0504-213-00 December 4, 2024

Prepared for:

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1.0 Introduction

This report describes soil and groundwater assessment activities conducted at the Roy Farms (herein referred to as "Site") located at 401 Walters Road in Moxee, Washington, as shown on the attached Vicinity Map, Figure 1. The Washington State Department of Ecology (Ecology) reference numbers for the Site include Facility Site ID (FSID) No. 89739294 and Cleanup Site ID (CSID) No. 6830.

This assessment report has been prepared by GeoEngineers, Inc. (GeoEngineers) under Ecology Master Contract No. C1900044, task work assignment number GEI073. This report describes the Site history, field activities, observations and chemical analytical results associated with soil and groundwater samples collected at the Site. The purpose of this assessment is to evaluate soil and groundwater for potential contamination associated with the historic release of petroleum products from former underground storage tank (UST) systems. Data generated from this assessment will support a no further action (NFA) determination or planning of potential remedial actions within the defined project area to address ecological and human health risks associated with historical contamination.

2.0 Site Description and Background

The Roy Farms Site is located at 401 Walters Road in Moxee, Washington, parcel No. 201205-23007 Based on the Roy Farms website, city directory records and Google Maps[™], the Site was established as a farm in 1907 and continues to be operated as a farm. The Site is occupied by multiple buildings for storing and processing harvested crops (primarily hops, apples, cherries and blueberries), office buildings, equipment maintenance buildings, a truck motor pool and equipment boneyard. The Site is surrounded by agricultural land to the north, east, south and west. A concrete-lined irrigation canal is adjacent to the Site on the east and Walters Road is adjacent on the west. Site features are shown in Site Plan, Figure 2.

2.1 PREVIOUS INVESTIGATIONS

Based on city directory records and Google Maps[™], the site operates as a farmyard. In 1991, one 8000- gallon diesel underground storage tank (UST) was removed, petroleum-contaminated soil (PCS) was encountered and approximately 500 cubic yards were removed and land-farmed on site (PLSA 1991). The UST basin excavation was extended in each cardinal direction but was stopped when the integrity of an existing office building, a tree and farm operations were threatened.

Soil samples taken from the excavation walls and base were submitted for laboratory analysis. Results of the analyses indicated contaminants greater than the Washington State Model Toxics Control Act (MTCA) Method A cleanup level (CULs) remained. Diesel-range petroleum hydrocarbons (DRPH) were detected at 10,380 parts per million (ppm), benzene was not detected, toluene was detected at 9.79 ppm, ethylbenzene was detected at 12.0 ppm, xylene was detected at 48.1 ppm and lead was detected at 7.9 ppm. The excavation basin was about 12 feet deep. This pit was later converted into the basement of an office building extension.

Two gasoline UST tanks were reported to have been removed from the site in 1993, however, no site assessment was completed during this tank closure. In 2001, samples from the UST basin were collected and sent for laboratory analysis (PLSA, 2001). The samples showed that no contamination was detected,



but the locations of the confirmation samples were not confirmed, hence the data from the excavation was considered unreliable.

3.0 Scope of Work

To assess subsurface soil and groundwater for potential contamination associated with the former UST release described in Section 2.1, GeoEngineers completed the following scope of work:

- Coordinated underground utility locating using the State of Washington Utility Notification and Utilities Plus. Per state regulations, GeoEngineers mobilized to/from the Site to mark the proposed boring locations prior to initiating the locate request.
- Mobilized to/from the Site to conduct the sampling event.
- GeoEngineers advanced six borings (GEI073-B1 through GEI073-B6) using hollow-stem auger drilling techniques.
- Observed and documented subsurface soil conditions. Field screening consisted of visual observation, water sheen testing and headspace vapor measurements using a photoionization detector (PID).
- Collected soil samples for chemical analysis.
- Collected grab groundwater samples from temporary well points installed in four of the borings
- Backfilled borings with bentonite and completed borings with either topsoil or gravel to match the existing ground surface.
- Submitted soil samples and grab groundwater samples to Eurofins Analytical Testing Northwest (Eurofins) in Spokane Valley, Washington, for chemical analysis.
- Drummed and labeled investigation-derived waste (IDW). The IDW was profiled using analytical data from the soil borings and temporary well points as well as a composite soil sample analyzed for Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver). The IDW was disposed following the receipt of the analytical data.

4.0 Field Investigation Activities

GeoEngineers advanced soil borings and installed temporary well points to assess soil and groundwater conditions for potential residual contamination associated with the release from the UST systems. Soil samples and grab groundwater samples were collected and submitted for chemical analyses. Soil and grab groundwater sampling procedures are detailed in the Work Plan (GeoEngineers 2024) and included in Appendix A.

4.1 SOIL ASSESSMENT AND SUBSURFACE CONDITIONS

Initial site reconnaissance occurred on July 25, 2024. During the visit, Site access was assessed and potential boring locations were marked. Site utilities located near the boring locations were identified and marked by Utilities Plus on August 1, 2024. Boring locations are shown in Figure 2.



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A GeoEngineers hollow-stem auger drilling rig advanced six borings (GEI073-B1 through GEI073-B6) on August 8 and 9, 2024. The soil borings were advanced to between 19 and 26 feet below ground surface (bgs) Approximately 25 feet of interbedded sand and gravel was observed. Groundwater was observed between 13 and 18 feet bgs. Copies of the boring logs are included in Appendix B.

Soil samples recovered from the borings were field-screened for petroleum contamination. Field screening results are included in the boring logs in Appendix B and are summarized in Table 1.

Geoengineers backfilled the borings with bentonite chips and completed the borings with concrete, cold patch asphalt, or soil to match the existing ground surface.

4.2 GROUNDWATER ASSESSMENT

Grab groundwater samples were collected on August 8 and 9, 2024, from temporary well points installed in GEI073-B1, GEI073-B3, GEI073-B4, GEI073-B5 and GEI073-B6. Groundwater was not sampled in GEI073-B2 due to the presence of approximately 0.3-feet of free-phase petroleum hydrocarbons measured on the water table. Groundwater quality parameters at the time of sampling for the grab groundwater samples are summarized in the table below.

GROUNDWATER FIELD PARAMETERS

	FIE	FIELD MEASURED WATER QUALITY PARAMETERS AT TIME OF SAMPLING														
SOIL BORING	APPROXIMATE DEPTH TO GROUNDWATER (FEET BGS)	PH (SU)	SPECIFIC CONDUCTIVITY (MS/CM)	ORP (MV)	DISSOLVED OXYGEN (MG/L)	TURBIDITY (NTU)	TEMPERATURE (DEGREES C)									
GEI073-B1	18.00	9.46	2.401	130.5	0.86	3285	24.3									
GEI073-B3	20.00	8.41	2.361	30.1	0.31	3023	22.8									
GEI073-B4	17.87	7.62	3.364	139.3	5.51	199	30.0									
GEI073-B5	17.50	7.99	2.939	108.2	0.60	2026	20.3									
GEI073-B6	18.00	9.03	2.413	183.9	8.2	2954	20.5									

Notes:

 $bgs = below ground surface; SU=standard units, \mu S/cm = micro-Siemens per centimeter; mV = millivolts; mg/L = milligrams per liter; NTU = nephelometric turbidity unit; C = Celsius.$

4.3 INVESTIGATION-DERIVED WASTE

Investigation-derived waste (IDW) including soil cuttings from the borings and purge water from the temporary well points were placed in two 55-gallon drums and temporarily stored on site pending analysis and disposal. Graymar Environmental, Inc. (Graymar) collected the IDW on October 10, 2024, and disposed the IDW at Chemical Waste Management of the NW, Inc., in Arlington, Oregon on October 10, 2024. Graymar's disposal manifest is included in Appendix C, IDW Disposal Documentation.

5.0 Chemical Analytical Results

The following sections describe soil and groundwater chemical analytical results. Laboratory reports and a data validation report are included in Appendix D, Chemical Analytical Laboratory Reports and Data



Validation Report. Soil and groundwater samples were submitted to Eurofins Environment Testing (Eurofins) for analysis of the following contaminants of concern (COCs):

- GRPH using Northwest Method NWTPH-Gx;
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX), 1,2-dichloroethane (EDC) and methyl tert- butyl ether (MTBE) using Environmental Protection Agency (EPA) Method 8260D;
- 1,2-dibromoethane (EDB) using EPA method 8011;
- DRPH and ORPH using Northwest Method NWTPH-Dx; and DRPH/ORPH using NWTPH-Dx with Silica Gel Cleanup (SGC).
- Total and dissolved (groundwater samples) lead using EPA method 6010D.

5.1 SOIL CHEMICAL ANALYTICAL RESULTS

Seven soil samples and one duplicate were submitted for chemical analysis. Soil chemical analytical results are presented and compared to MTCA Method A cleanup levels for unrestricted land use in Table 2, Chemical Analytical Results—Soil. Soil sample results are summarized below:

- GRPH was detected in GEI073-B2(13-14) at a concentration of 1,600 milligrams per kilogram (mg/kg) and GEI073-B3(10-11) at 83 mg/kg, greater than the MTCA Method A cleanup level (30 mg/kg when benzene is present). GRPH was detected in GEI073-B4(13-14) but the concentration was not greater than the Method A level when benzene was present.
- Ethylbenzene and naphthalene concentrations (6.1 and 6.4 mg/kg, respectively) in GEI073-B2(13-14) exceeded the MTCA Method A cleanup levels (6.0 and 5.0 mg/kg, respectively). Total xylene was also detected but was not greater than the Method A level.
- DRPH was detected in GEI073-B3(10-11) at a concentration of 3,200 mg/kg and greater than the MTCA Method A cleanup level (2,000 mg/kg). DRPH and ORPH were detected in the six collected soil samples but were not greater than the Method A cleanup levels.
- Total lead was not detected in the soil samples.

5.2 GRAB GROUNDWATER CHEMICAL ANALYTICAL RESULTS

Five grab groundwater samples and one duplicate sample were submitted to Eurofins for analysis of the COCs described above. Dissolved metals samples were field-filtered using a 0.45-micron filter and laboratory-filtered using 0.45-micron and 2-micron filters for comparison purposes. DRPH/ORPH samples were analyzed with and without SGC. SGC is an analytical process that uses silica gel, a polar material, to remove polar organic compounds, including polar metabolites from each sample that may be present at the Site due to weathering and biodegradation of petroleum in groundwater over time (Ecology 2023).

Groundwater chemical analytical results are presented and compared to MTCA Method A cleanup levels in Table 3, Chemical Analytical Results—Groundwater results are summarized below:

GRPH was detected in GEI073-B5 at a concentration of 9,200 micrograms per liter (µg/L), greater than the MTCA Method A cleanup level (800 µg/L when benzene is present). GRPH was also detected in GEI073-B3 and GEI-73-B4 but was not greater than the Method A cleanup level.



- BTEX and naphthalene concentrations in GEI073-B3 and GEI073-B5, benzene in GEI073-B1, naphthalene in GEI073-B4, and ethylbenzene, xylenes and naphthalene in GEI073-B6 were detected, but were not greater than the Method A cleanup levels.
- Combined DRPH/ORPH was detected in GEI073-B3 and GEI073-B5 (10,140 and 3,000 µg/L, respectively), greater than the MTCA Method A cleanup level (500 µg/L). Combined DRPH/ORPH were detected in other grab groundwater samples but were not greater than the Method A cleanup level.
- Combined DRPH/ORPH following SGC was detected in GEI073-B3 and GEI073-B5 (11,230 µg/L and 2,800 µg/L, respectively).
- Total and dissolved lead were not detected in the grab groundwater samples.

6.0 Summary and Conclusions

Six soil borings were advanced on August 8 and 9, 2024, at the Roy Farms located at 401 Walters Road in Moxee, Washington. Soil samples were collected from the borings and grab groundwater samples were collected from five of the six borings through temporary wells. Groundwater was not sampled from one boring (GEI073-B2) due to the presence of free-phase petroleum hydrocarbons.

Laboratory analytical results from borings GEI073-B2 and GEI073-B3 indicate that GRPH contamination is present in soil at concentrations greater than the MTCA Method A cleanup level. Ethylbenzene and naphthalene concentrations in GEI073-B2 were greater than the cleanup levels.

Laboratory analytical results from grab groundwater sample GEI073-B5 indicate that GRPH and DRPH contamination, and combined DRPH/ORPH in GEI073-B3 (with and without SGC) is present in groundwater at concentrations greater than the MTCA Method A cleanup levels. The DRPH/ORPH results using SGC indicate that DRPH at the Site does not represent heavily degraded petroleum hydrocarbons.

Other COCs were either not detected or were detected at concentrations less than the MTCA Method A cleanup levels in soil and groundwater samples collected.

Based on the results of this assessment, GRPH and DRPH/ORPH contamination is present at the site in soil and groundwater in concentrations exceeding MTCA Method A cleanup levels. Contamination is present to the east, southeast and west of the former UST basin. Contamination does not appear to extend to the north as evidenced in GEI073-B1 or to the south, as shown in GEI073-B4 and GEI-073-B6. Borings with soil and/or groundwater contamination greater than the MTCA Method A cleanup levels are shown in Figure 2.

6.1 **RECOMMENDATIONS**

Based on the results of this soil and groundwater assessment additional soil and groundwater sampling is recommended to assess the extent of petroleum-related contamination at the Site. Additional assessment may include advancing additional soil borings adjacent to areas where contamination was identified and installing groundwater monitoring wells. Future site plans should prioritize characterization and removal of the free-phase petroleum hydrocarbons. Without additional assessment, remediation, and monitoring, this site will not achieve closure with Ecology.





7.0 Limitations

We have prepared this report for the exclusive use of Ecology and their authorized agents.

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

Please refer to Appendix E, Report Limitations and Guidelines for Use, for additional information pertaining to this report.

8.0 References

- GeoEngineers, Inc. 2024. "Work Plan, Soil and Groundwater Assessment, Roy Farms, 401 Walters Road, Moxee, Washington." July 26, 2024. File No. 0504-213-00.
- PLSA 1991. "Site Assessment and Intermediate Cleanup Reort on Leaking Underground Storage Tank Removal" Roy Farms, Moxee, Washington. July 1991.
- PLSA 2001. "Site Assessment Engineering Report, Underground Storage Tank Removal", Roy Farms, 401 Walter Road, Moxee, Washington. December 2001.
- Washington Department of Ecology. 2013. "Model Toxics Control Act Regulation and Statute, Chapter 173-340 WAC and 70.105D RCW." Revised January 2024, Publication 94-06.
- Washington Department of Ecology. 2023. "Guidance for Silica Gel Cleanup in Washington State." November 2023. Publication 22-09-059.



Tables

Table 1

Summary of Field Screening Results

Roy Farms

Moxee, Washington

	Depth		
Soil Boring	(Feet bgs)	PID (ppm)	Sheen
GEI073-B1	2.5-4	2.2	NS
	5-6.5	1.2	NS
	7.5-9	0.7	NS
	10-11.5	0.3	NS
	15-16.5	0.9	NS
	20-21.5	0.8	NS
	25-26.5	0.8	NS
GEI073-B2	2.5-4	2.7	NS
	5-6.5	450	HS
	7.5-9	389	HS
	10-11.5	460	HS
	12.5-14	830	HS
	17.5-19	1,175	HS
	20-21.5	1,216	HS
GEI073-B3	2.5-4	129	HS
	5-6.5	30	SS
	7.5-9	354	HS
	10-11.5	391	HS
	12.5-14	332	SS
	15-16.5	16	SS
	17.5-19	9.2	SS
	20-21.5	19.4	SS
GEI073-B4	2.5-4	4	NS
	5-6.5	3.7	NS
	7.5-9	2	NS
	10-11.5	1.3	NS
	12.5-14	0.7	NS
	15-16.5	1.4	NS
	17.5-19	4.2	NS
GEI073-B5	2.5-4	2.8	NS
	5-6.5	2	NS
	7.5-9	1.7	NS
	10-11.5	2.6	NS
	15-16.5	1	NS
	17.5-19	217.5	HS
	20-21.5	650	HS
	22.5-24	912	HS
	25-26.5	118	SS
GEI073-B6	2.5-4	4.7	NS
	5-6.5	2.5	NS
	7.5-9	1.9	NS
	10-11.5	2.4	NS
	15-16.5	1.1	NS
	17.5-19	1.5	NS
	20-21.5	1.8	NS

Notes:

bgs = below ground surface

PID = Photoionization Detector; ppm = parts per million

NS = No sheen, SS = Slight Sheen; HS = Heavy Sheen



Table 2

Chemical Analytical Results - Soil¹ Roy Farms Moxee, Washington

	Sam	ple Location	GEI073-B1	. [GEI073-B2	2	GEI073-B3		GEI073-B4	4	GEI073-B5		GEI073-B5		GEI073-DUP (B	35)	GEI073-B	6
	Sample Dep	oth (feet bgs)	10-11.5		13-14		10-11		13-14		5-6		10-11		10-11		8-9	
	:	Sample Date	8/8/2024		8/8/2024		8/8/2024		8/8/2024	1	8/8/2024		8/8/2024		8/8/2024		8/8/2024	ŧ
Analyte	MTCA CUL ⁶	Units																
Petroleum Hydrocarbons by NWTF	PH-Gx and NWTPI	H-Dx ²																
GRPH	30	mg/kg	1.5	U	1,600		83	J	26	J	2.3 L	J	2.0	U	1.5	U	1.4	U
DRPH	2,000	mg/kg	15	J	1,500	J	3,200	J	5.5	J	6.6 J	I	6.7	l	8.2	J	5.2	J
ORPH	2,000	mg/kg	7.2	J	23.0	J	28		8.7	J	35		11	l	49		6.6	J
VOCs ³																		
Benzene	0.03	mg/kg	0.0082	\cup	0.085	\cup	0.011	\bigcup	0.011	\cup	0.013 L	J	0.011	U	0.0086	\bigcup	0.0076	\cup
Toluene	7	mg/kg	0.037	\cup	0.38	\cup	0.051	\cup	0.050	U	0.057 L	J	0.05	U	0.039	\bigcup	0.034	\cup
Ethylbenzene	6	mg/kg	0.013	\cup	6.1		0.018	\cup	0.018	U	0.02 L	J	0.018	U	0.014	U	0.012	U
m, p-Xylene	NE	mg/kg	0.024	\cup	6.1		0.032	U	0.032	U	0.036 L	J	0.032	U	0.025	U	0.022	U
o-Xylene	NE	mg/kg	0.019	\cup	0.35	J	0.026	\cup	0.025	U	0.029 L	J	0.026	U	0.020	\bigcup	0.017	U
Xylenes (total)	9	mg/kg	0.042	\cup	6.4		0.06	\bigcup	0.057	\cup	0.065 L	J	0.057	U	0.044	\bigcup	0.039	U
1,2-Dichloroethane (EDC)	5	mg/kg	0.018	U	0.19	\cup	0.025	U	0.024	U	0.027 L	J	0.024	U	0.019	U	0.017	U
Methyl tert-butyl ether	0.1	mg/kg	0.025	\cup	0.26	\cup	0.034	\cup	0.033	U	0.038 L	J	0.033	U	0.026	\bigcup	0.023	U
Naphthalene	5	mg/kg	0.023	\cup	6.4		0.16	J	0.031	\cup	0.036 L	J	0.031	U	0.024	\bigcup	0.021	U
1,2-Dibromoethane (EDB) ⁴	0.005	mg/kg	0.000036	U	0.000038	\cup	0.000038	\bigcup	0.000037	U	0.000038 L	J	0.000037	U	0.000038	U	0.000035	U
Metals ⁵																		
Lead	250	mg/kg	12	\cup	11	U	12	U	12	U	11 L	J	11	U	12	U	11	\cup

Notes

¹Samples analyzed by Eurofins Environment Testing located in Spokane Valley, Washington.

²Gasoline-range petroleum hydrocarbons (GRPH); Diesel-range petroleum hydrocarbons (DRPH); Residual-range petroleum hydrocarbons (ORPH).

³Volatile organic componds (VOCs) analyzed using EPA Method 8260D.

⁴1,2-Dibromethane (EDB) analyzed using EPA Method 8011.

⁵Metals analyzed using EPA Method 6010D.

⁶MTCA Method A unrestricted land use cleanup levels (CUL).

 $^7\mbox{Gasoline-range}$ hydrocarbons when benzene is present .

mg/kg = milligrams per kilogram.

bgs = below ground surface.

NE = not established.

U = analyte was not detected above the laboratory method detection limit (MDL).

J = estimated concentration.

Bold indicates analyte was detected.

Bold with grey shading indicates analyte was detected greater than the MTCA Method A cleanup level.

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Table 3

Chemical Analytical Results - Groundwater¹

Roy Farms

Moxee, Washington

			GEI073-B1-08082	24	GEI073-B2	GEI073-B3:080924		GEI073-B4:08092	4	GEI073-B5:080924	GE	EI073-080924DUP (B5)	GEI073-B6:0809	24
			8/8/2024		8/8/2024	8/9/2024		8/9/2024		8/9/2024		8/9/2024	8/9/2024	
Analyte	MTCA CUL ⁶	Units				-								
Petroleum Hydrocarbons by NWTPH-G	and NWTPH-D	x ²												
GRPH	800	µg/L	54	U	NS	390	l	92	J	9,200		8,100	54	U
DRPH	500	µg/L	110	U	NS	9,900	l	130	J	3,000		2,000	100	U
ORPH	500	µg/L	120	U	NS	240	۱	110		120	J	120 U	110	U
Combined DRPH/ORPH	500	µg/L	NA		NS	10,140		130	J	3,000		2,000	NA	
Petroleum Hydrocarbons with Silica G	Gel Cleanup (SGC	C)												
DRPH	500	µg/L	110	U	NS	11,000		110		2,800		1,700	110	U
ORPH	500	µg/L	120	U	NS	230	l	110		120		120	110	
Combined DRPH/ORPH	500	µg/L	120	U	NS	11,230		110		2,800		1,700	110	U
VOCs ³														
Benzene	5	µg/L	0.14	J	NS	0.26	l	0.093	\bigcup	0.57		0.54	0.093	U
Toluene	1,000	µg/L	0.31	U	NS	0.42	ı	0.31	\cup	1.0		1.0	0.31	U
Ethylbenzene	700	µg/L	0.20	U	NS	0.49	J	0.20	\cup	110		110	0.33	U
m, p-Xylene	NE	μg/L	0.28	U	NS	0.43	J	0.28	\cup	150		130	0.48	U
o-Xylene	NE	μg/L	0.16	U	NS	0.17	l	0.16	U	3.8		3.6	0.16	U
Xylenes (total)	1,000	μg/L	0.44	U	NS	0.17	l	0.44	\cup	150		140	0.48	U
1,2-Dichloroethane (EDC)	5	μg/L	0.31	U	NS	0.31	J	0.31	\cup	0.60	l	0.31 U	0.31	U
Methyl tert-butyl ether	20	μg/L	0.16	U	NS	0.16	J	0.16	\cup	0.16	J	0.16 U	0.16	U
Naphthalene	160	μg/L	0.63	U	NS	18		0.72	\cup	83		78	1.3	U
1,2-Dibromoethane (EDB) ⁴	0.01	μg/L	0.0025	U	NS	0.0025	J	0.0025	\cup	0.0025	J	0.0025 U	0.0025	\cup
Metals ⁵				-	-						-			-
Total Lead	15	μg/L	5.1	U	NS	5.1 (J	5.1	\cup	5.1	J	5.1 U	5.1	U
Dissolved Lead (0.45 µ filter)	15	μg/L	5.1	U	NS	5.1 (J	5.1	U	5.1	J	5.1 U	5.1	U
Dissolved Lead (2 µ filter)	15	μg/L	5.1	U	NS	5.1	J	5.1	\cup	5.1	J	5.1 U	5.1	U

Notes

¹Samples analyzed by Eurofins Environment Testing located in Spokane Valley, Washington.

²Gasoline-range petroleum hydrocarbons (GRPH); Diesel-range petroleum hydrocarbons (DRPH); Oil-range Petroleum hydrocarbons (ORPH).

³Volatile organic componds (VOCs) analyzed using EPA Method 8260D.

⁴1,2-Dibromethane (EDB) analyzed using EPA Method 8011.

⁵Metals analyzed using EPA Method 6010D.

 $^{\rm 6}{\rm MTCA}$ Method A unrestricted land use cleanup levels (CUL).

⁷Gasoline-range hydrocarbons when benzene is present.

µg/kg = micrograms per kilogram.

 $\ensuremath{\mathsf{NS}}$ = not sampled due to the presence of free-phase petroleum hydrocarbons

NE = not established.

 U = analyte was not detected above the laboratory method detection limit (MDL).

J = estimated concentration.

Bold indicates analyte was detected.

Bold with gray shading indicates the reported analyte concentration was greater than the MTCA Method A CUL.

Figures



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Appendices

Appendix A Field Procedures

Appendix A Field Procedures

GENERAL

Subsurface conditions at the site were explored in August 2024 by advancing six borings and installing temporary wells at the approximate locations shown in Figure 2. The borings were advanced to between 18 and 25 feet below existing site grade using a CME-75 hollow stem auger drilling rig. Boring locations were established in the field using a site plan and measurements from on-site structures. Consequently, exploration locations should be considered accurate to the degree implied by the method used. Soil and grab groundwater samples were collected on August 8 and 9, 2024.

Field methods generally were performed in compliance with the project Work Plan assessment procedures.

FIELD SCREENING OF SOIL SAMPLES

Field screening methods were used to select samples for laboratory chemical analysis.

A GeoEngineers' field representative performed visual and physical field screening tests on soil samples and recorded the observations in the field boring log and in the field notebook. Field screening results were used to aid in the selection of soil samples for laboratory chemical analysis.

Screening methods included (1) visual examination; (2) water-sheen screening; and (3) headspace vapor screening using a PID equipped with a moisture filter. Visual screening consisted of inspecting the soil for discoloration indicative of the presence of petroleum-impacted material or other contaminants in the sample.

Water-sheen screening involved placing soil in water and observing the water surface for signs of sheen. Water-sheen screening will be performed at each interval selected for field screening. Sheen classifications are as follows:

- **No Sheen (NS)** No visible sheen on the water surface;
- Slight Sheen (SS) Light, colorless, dull sheen; spread is irregular, not rapid; sheen dissipates rapidly. Natural organic matter in the soil might produce a slight sheen;
- Moderate Sheen (MS) Light to heavy sheen; might have some color/iridescence; spread is irregular to flowing, may be rapid; few remaining areas of no sheen on water surface; and
- Heavy Sheen (HS) Heavy sheen with color/iridescence; spread is rapid; entire water surface might be covered with sheen.

Headspace vapor screening involves placing a soil sample into a sealed plastic bag and measuring the airspace VOC vapor concentrations in parts per million (ppm) with a PID. The PID typically is designed to quantify VOC vapor concentrations in the range between 1 ppm and 2,000 ppm with an accuracy of +/-10 percent of the reading, and between 2,000 ppm and 5,000 ppm with an accuracy of +/- 20 percent of the reading. The procedure for headspace vapor screening is:



- At various depths in the soil core, two co-located samples were collected with clean nitrile gloves or a soil knife and placed in two separate plastic bags, The bags were labeled with the sample depths from which the samples are obtained.
- One sample was left to volatilize and the other will be immediately put on ice to limit any volatilization from occurring.
- The bagged samples left out to volatilize were manually agitated in the bag, and then screened with the PID calibrated to isobutylene following the manufacturer's instructions. The probe of the PID was inserted into a small opening in the bag seal and the VOC concentration measured.
- The co-located samples with the highest PID screening from each interval were placed in appropriate laboratory-prepared sample containers.

GROUNDWATER SAMPLING

Depth to groundwater relative to the ground surface was measured to the nearest 0.01-foot using an electronic interface probe and recorded in the field notes.

Following depth to groundwater measurement, a groundwater sample was collected from the monitoring well consistent with the EPA's low-flow groundwater sampling procedure, as described in EPA (2017) and Puls and Barcelona (1996). Dedicated tubing and a peristaltic pump were used for groundwater purging and sampling. During purging activities, water quality parameters, including pH, temperature, conductivity, dissolved oxygen (DO), oxygen-reduction potential (ORP) and turbidity, were measured and recorded using a multi-parameter meter equipped with a flow-through cell. Each monitoring well was purged until parameters stabilize for three consecutive readings, or for a maximum of 30 minutes, whichever occurs first, before collecting the sample. Stability is defined as the following:

- pH: +/- 0.1 pH units;
- Specific Conductance: +/- 10.0 micromhos per centimeter (µmhos/cm) for values < 1000 µmhos/cm or +/- 20.0 µmhos/cm for values > 1000 µmhos/cm;
- ORP: +/- 10 millivolts (mV);
- Turbidity: less than 10 nephelometric turbidity unit (NTUs) or +/- 10 percent NTUs when turbidity is greater than 10 NTUs;
- D0: +/- 0.5 milligrams per Liter (mg/L) for values < 1 mg/L or +/- 0.2 mg/L for values > 1 mg/L; and
- Temperature: +/- 3 percent degrees Celsius.

Samples were not collected from the boring if measurable free product was recorded. Field water quality measurements and depth-to-water measurements were recorded on a Well Purging-Field Water Quality Measurement Form. Groundwater samples were transferred in the field to laboratory-prepared sample containers and kept cool during transport to the testing laboratory. COC procedures were observed from the time of sample collection to delivery to the testing laboratory consistent with the QAPP.



Page A-2

Appendix B Boring Logs

	5	OIL CLASS		UN CH		ADDI	FIONAL	IVIA
I	MAJOR DIVIS	IONS	SYMB GRAPH	OLS	TYPICAL DESCRIPTIONS	SYN GRAPH	IBOLS	
		CLEAN GRAVELS	0000	GW	WELL-GRADED GRAVELS, GRAVEL -	GRAPH		
	GRAVEL AND GRAVELLY	(LITTLE OR NO FINES)				· . · . · . · . ·	AC	As
	SOILS			GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES		СС	Ce
COARSE GRAINED SOILS	MORE THAN 50% OF COARSE	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES		CR	Cr
	FRACTION RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES	<u><u><u>N</u>/2</u> <u>N</u>/2 <u>N</u></u>	N	Qu
		CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS	<u>1/ \\ // \\ //</u>	SOD	So
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	(LITTLE OR NO FINES)	**********	SP	POORLY-GRADED SANDS, GRAVELLY SAND		TS	То
	MORE THAN 50% OF COARSE	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES		Ground	lwat
	FRACTION PASSING ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES		Measure well, or p	
				ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY	-	Measure	
FINE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	_	Graphi	c Lo
GRAINED SOILS				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		Distinct o	conta
MORE THAN 50% PASSING				МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS		Approxin Materi a	
NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY		Contact I	
			17	ОН	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY		Contact I unit	betwe
	I HIGHLY ORGANIC	SOILS	m	PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS		Labora	tory
	Samp Modifie Standa Shelby Piston Direct-F Bulk or Continu lowcount is relows required	rd Penetration tube Push grab ious Coring ecorded for driv	Descript Impler (6-in Test (SPT) ven sample	ions nch slee ers as t inches	eve) or Dames & Moore he number of (or distance noted).	%GPerALAttCAChiCPLatCSConDDDTDSDirHAHyoMCMohsMOhsMohsMOCOrgPMPerPIPlatPLPoiSASieTXTriatUCUnivVSVaniv	rcent fine rcent gra erberg lin coratory of nsolidatio doratory of nsolidatio density ect sheat drometer isture co hs hardn ganic con rmeabilit isticity in int load t cket pend ve analy axial com confined consolida ne shear	vel mits nalys comp on te: r anal ntent etent tetes s tetes tetes s s pres comp ated t
"	P" indicates s	ampler pushed	d using the	weight	of the drill rig.		Sheen	
"	WOH" indicat ammer.	es sampler pus	shed using	the we	ight of the		Visible S ght Shee	

DITIONAL MATERIAL SYMBOLS

SYM	BOLS	TYPICAL
GRAPH	LETTER	DESCRIPTIONS
	AC	Asphalt Concrete
	сс	Cement Concrete
	CR	Crushed Rock/ Quarry Spalls
	SOD	Sod/Forest Duff
	TS	Topsoil

Groundwater Contact Measured groundwater level in exploration, well, or piezometer Measured free product in well or piezometer **Graphic Log Contact** Distinct contact between soil strata Approximate contact between soil strata **Material Description Contact** Contact between geologic units Contact between soil of the same geologic unit Laboratory / Field Tests Percent fines Percent gravel Atterberg limits Chemical analysis aboratory compaction test Consolidation test Ory density Direct shear lydrometer analysis Noisture content Anisture content and dry density Aohs hardness scale Organic content Permeability or hydraulic conductivity Plasticity index Point load test Pocket penetrometer Sieve analysis riaxial compression Inconfined compression Inconsolidated undrained triaxial compression ane shear/ **Sheen Classification** No Visible Sheen

r understanding of subsurface conditions. were made; they are not warranted to be representative of subsurface conditions at other locations or times.



Drilled	8/8	<u>Start</u> 3/2024		<u>End</u> /2024	Total Depth	(ft)	26.5	Logged By LO Checked By APP Driller GeoEngineers, Inc.			Drilling Method Hollow-stem Auger
Surfac Vertica	e Eleva Il Datu	ation (ft) m			1152 NAVD88			Hammer Autohammer Data 140 (lbs) / 30 (in) Drop	Drilling Equipr	g ment	CME-75
Easting Northir	g (X) ng (Y)				1677783 446168			System WA State Plane South Datum NAD83 (feet)	See "R	lemark	s" section for groundwater observed
Notes	Bori	ng backi	illed wit	h ber	itonite chip	s and	asphalt t	o match existing layer			
			FIEL	DD	ATA						
Elevation (feet)	o Depth (feet) I	Interval Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Graphic Log	Group Classification	MATERIAL DESCRIPTION	REMARKS		
-	0-	-				•••••	AC SW	Approximately 5 inches of asphalt concrete pavement Dark brown sand (dense, dry)	_		
_11 ⁵⁰ -	-	10	32		GEI073-B1 (3-4)			-	- NS -	2.2	
- - 1145	5 - -	3	50/4"				SP	Dark brown sand with gravel and cobbles (very dense, dry)	NS	1.2	
-	-	2	50					 Becomes with black staining and without cobbles 	- NS	0.7	
- 	10	10			GEI073-B1 (10-11) CA			Becomes with cobbles	- NS -	0.3	
-	- 15 —	0 2	50/3"					No recovery	- - NS	0.9	
Y	-		50/2"					– No recovery	-		Groundwater encountered at approximately 18½ feet
-1 ²⁰	20	2	50/2"					Becomes brown and wet	-	0.8	
	- 25 — -	11	26		GEI073-B1 (25-26)		SP	Brown sand with silt and occasional gravel (medium dense, wet)	- NS	0.8	Set temporary well at 25 feet bgs and collect grab groundwater sample GEI073-B1:080824
Not Coo	te: See	Figure	B-1 for e Source:	explar Horiz	nation of syn	mbols. oxima	ted base	d on . Vertical approximated based on .			
								Log of Boring GEI073-B1			
								Project: Roy Farms			

Date:9/6/24 Path:P:(0)(0504213)(GIT/50421300.GPJ DBLIbrary/Library:GEOENGINEERS_DF_STD_US_UUNE_2017.GLB/GEI8_ENVIRONMENTAL_STANDARD_NO_GW

Project: Roy Farms GEOENGINEERS

Project Location: Moxee, Washington Project Number: 504-213-00

Figure B-2 Sheet 1 of 1

Drilled		<u>Start</u> 3/2024		<u>End</u> /2024	Total Depth	(ft)	21.5	Logged By LO Checked By APP	Driller GeoEngineers, Inc.			Drilling Method Hollow-stem Auger
Surfac Vertica	e Elev al Datu	ation (ft) m			1153 IAVD88			Hammer Data 140	Autohammer) (Ibs) / 30 (in) Drop	Drilling Equipr		CME-75
Easting Northir	g (X) ng (Y)				677825 46138			System WA Datum	State Plane South NAD83 (feet)	See "F	emark	s" section for groundwater observed
Notes	: Bori	ng backf	illed with	h bento	onite chip	s and	gravel to	match existing layer				
			FIEL	_D DA	ATA							
Elevation (feet)	o Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Graphic Log	Group Classification		TERIAL CRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	-0						SP	Dark brown sand with gr	avel (loose, dry)	_		
120		2	8					_		- NS -	2.7	
	5-	5	26	G	GEI073-B2 (5-6)			Becomes with dark stain	ing	— нs -	450	
1245		6	50/5"					- - -		- HS -	389	
	10 -	5	51/4.5"					Becomes with occasiona dense	I basalt cobbles and very	— HS -	460	
1240		5	50/3"	G	GEI073-B2 (13-14) CA			_ Becomes wet		– –	830	Groundwater encountered at approxima 13¾ feet
1.135	15 -	°	50/2"					No recovery		— - - нs	1175	
1.0		2.8	50/5.5"		GEI073-B2 (19-20)		SP-SM	 Black coarse sand with s wet) 	ilt and gravel (very dense,			
	20 -	2.5						-		— HS -	1216	Set temporary well at 20 feet bgs and co grab groundwater sample GEI073-B2:080
Not	te: Sec ordina	e Figure I tes Data	3-1 for e Source:	xplana Horizo	tion of syn	mbols	ted base	d on . Vertical approximated b	based on .			
								Log of Borin	ng GEl073-B2			
	_	_						Project: Roy Far	-			
C	F	oF	NG		EER!	S /		Project Location	: Moxee, Washingtor			Figure E

Log of Boring GEI073-B2



Drilled		<u>Start</u> 3/2024		End 72024 Total Depth	(ft)	21.5	Logged By LO Checked By APP Driller	GeoEngineers, Inc.			Drilling Method Hollow-stem Auger
Surface Vertical		ation (ft) Im		1151 NAVD88			Hammer Autoha Data 140 (lbs) / 3	ammer 30 (in) Drop	Drilling Equipn	hent	CME-75
Easting Northin	g (X) ng (Y)			1677842 446044			System WA State P Datum NAD83	Plane South 3 (feet)	See "R	emark	s" section for groundwater observed
Notes:	Bori	ng backf	illed wit	h bentonite chip	s and	complete	d without gravel to match existing la	yer			
			FIEL	D DATA							
Elevation (feet)	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample Sample Name Testing	Graphic Log	Group Classification	MATERI/ DESCRIPT		Sheen	Headspace Vapor (ppm)	REMARKS
1150	0-	_				SP-SM	Black sand with gravel, cobbles _ dense, dry)	and silt (medium	_		
		8	15	GEI073-B3 (3-4)			-		- HS -	129	
1 ¹⁴⁵	5 -		54			GP	Gravel with cobbles and coarse s -	sand (very dense, dry)	— ss -	30	
			50/5"				-		- HS -	354	
1240	10 -	10	50/3"	<u>GEI073-B3</u> (<u>10-11)</u> CA		SP	Black stained sand with gravel (\ - -	very dense, dry)	— нз -	391	
	-	2	50/5"				 Becomes gravel with coarse san 	d	- SS 	332	Groundwater encountered at approximate 13 feet
1. ²⁵	15 -		50/3"				Becomes with cobbles and wet -		-		
			50/5"	GEI073-B3 (19-20)			-		- SS -	9.2	
130	20 -		50/3"			SP	Coarse sand with gravel (very de Poor recovery	ense, wet)	SS 	19.4	Set temporary well at 20 feet bgs and colle grab groundwater sample GEI073-B3:0808
Not	e: See	e Figure B	3-1 for e	explanation of sy	mbols	b.	I on Vortical energy instead based as	2			
Coo	ordina	tes Data	Source:	Horizontal appr	oxima	ated base	I on . Vertical approximated based or				
							Log of Boring GE Project: Roy Farms	10 <i>13</i> -83			
G	ΞE	οEι	NG	INEER	S/	D	Project Location: Moz Project Number: 504	-			Figure B-4 Sheet 1 of 1

Figure B-4 Sheet 1 of 1

Drilled		<u>Start</u> /2024		<u>ind</u> /2024	Total Depth	(ft)	19	Logged By LO Checked By APP	Driller GeoEngineers, Inc.			Drilling Method Hollow-stem Auger		
Surfac Vertica	e Eleva Il Datur	ntion (ft) m		N	1150 AVD88			Hammer Data 140	Autohammer 0 (Ibs) / 30 (in) Drop	Drilling Equipr	g nent	CME-75		
Easting Northir	g (X) ng (Y)				77808 15954	System WA State Plane South Datum See "Remarks" section for groundwater observed								
Notes: Boring backfilled with bentonite chips														
			FIEL	D DA	TA									
Elevation (feet)	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Graphic Log	Group Classification		ATERIAL CRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS		
 F	0-						SP	Brown sand with gravel	(dense, dry)	_				
-	-	3	35					-		- NS -	4.0			
_1145	5 —	6	23	G	EI073-B4 (5-6)		SP	Brown sand with occasio _ dry)	onal cobble (medium dense,	— NS	3.7			
-	-	2	50/5"					 Becomes with gravel, wi 	thout cobble and very dense	- NS -	2.0			
-1240	10 —	3	50/2"					-		— NS -	1.3			
- -	-	5	50/5"	G	EI073-B4 (13-14) CA			-		- NS -	0.7			
135										NC				

Coarse sand with gravel (very dense, wet)

Practical refusal at 18.5 feet bgs

NS 1.4

NS 4.2

GEI073-B4 (17.5-19)

Note: See Figure B-1 for explanation of symbols. Coordinates Data Source: Horizontal approximated based on . Vertical approximated based on .

SP

Log of Boring GEI073-B4



15

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50/2" 4

50/3" 5

> Project: Roy Farms Project Location: Moxee, Washington Project Number: 504-213-00

Figure B-5 Sheet 1 of 1

Groundwater encountered at approximately $$17^{1\!\!/_2}$$ feet Set temporary well at 18 feet bgs and collect grab groundwater sample GEI073-B4:080824

Drilled	8/9	<u>Start</u> 9/2024		<u>End</u> /202	4 Total Depth	(ft)	26.5	Logged By LO Checked By APP	Driller GeoEngineers, Inc.			Drilling Method Hollow-stem Auger
Surfac Vertica	e Eleva al Datu	ation (ft) m)		1146 NAVD88			Hammer Data 140	Autohammer) (lbs) / 30 (in) Drop	Drilling Equipr		CME-75
Easting Northi	g (X) ng (Y)				1677706 445990			System WA Datum	A State Plane South NAD83 (feet)	See "R	emark	s" section for groundwater observed
		ng back	filled wit	h ber	ntonite chip	sand	complete	ed with asphalt to match exist	ting surface			
\neg			FIE	LD D	DATA							
Elevation (feet)	o Depth (feet) I	Interval Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Graphic Log	Group Classification	MA DESC	Sheen	Headspace Vapor (ppm)	REMARKS	
_1145	-0	-					AC SP	 Brown sand with occasic 	of asphalt concrete pavement onal gravel (medium dense,	_		
-	-	4	15					dry) 		– NS	2.8	
- 	5-		39		<u>GEI073-B5</u> (<u>5-6)</u> CA			-		- NS	2.0	
-	-	5	50/5"				SP	Brown sand with gravel (ivery dense, dry)	- NS 	1.7	
- _\\ ³⁵⁹	10	6	50/2"		GEI073-B5 (10-11) CA			Becomes with occasiona -	al cobble	– NS	2.6	
_	-		50/2"					_ No recovery		_		
- 	15 —	4	50/5"				GP	Gravel with brown sand r	(very dense, dry)	-	1.0	
- - - -	-	12	2 50/5"				SP	 Dark black stained coars dense, wet) 	se sand with gravel (very	- HS -	217.5	Groundwater encountered at approximately 17½ feet
_1,25	20	12					GP	Gravel with coarse sand	(very dense, wet)	- HS - HS - HS	650	
	- - 25 —	3	50/3"		GEI073-B5 (23-24)			-		- - - SS	912	Set temporary well at 25 feet bgs and collect
`	-	11	. 23					-		-		grab groundwater sample GEI073-B5:080824
No Co	te: See	e Figure tes Data	B-1 for e Source	explar : Hori	nation of syr zontal appre	nbols. oxima	ted base	d on . Vertical approximated l	based on .			
								Log of Borir	ng GEl073-B5			
								Project: Roy Far				

Project: Roy Farms Project Location: Moxee, Washington Project Number: 504-213-00

GEOENGINEERS

Drilled		<u>Start</u> 9/2024			Total Depth	(ft)	21.5	Logged By LO Checked By APP	Driller GeoEngineers, Inc	c.		Drilling Method Hollow-stem Auger	
Surface Vertica	Surface Elevation (ft) 1150 Vertical Datum NAVD88							Hammer Autohammer Drilling Data 140 (lbs) / 30 (in) Drop Equipr					
Easting Northir	Easting (X) 1677700 Northing (Y) 446131							Outcome W/A State Plane South			Remark	rks" section for groundwater observed	
Notes: Boring backfilled with bentonite chips and completed with asphalt to match existing surface													
			FIEI	LD DATA	١								
Elevation (feet)	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample Sample Name	Testing	Graphic Log	Group Classification		TERIAL CRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS	
-	0-						TS GP	 Vegetation/Top soil upper Crushed gravel with same 					
-	-	6	75	GEIO (3	73-B6 3-4)			-		- NS -	4.7		
_1145 -	5 —	12	50/5"				SP	Brown sand with gravel (–	very dense, dry)	NS	2.5		
	-	4	50/2"	GEIO (8 C	73-B6 3-9) CA			-		- NS -	1.9		
_~~ - -	10	12	50/5"					-		- NS - -	2.4		
- - 	- 15 —		50/1"				GP	No recovery	and trace silt (very dense,	- - NS	1.1	Groundwater encountered at approximately 13½ feet	
-	-	×	50/2"					_ wet) _ Becomes basalt gravel w		- - NS	1.5		
	20 —	∐ ∏ 4	50/4"	GEI0 (20	73-B6)-21)			-		- - NS	1.8	Set temporary well at 21 feet bgs and collec	
Not	e: See	: Figure E	3-1 for e	xplanatior	n of syr	nbols	ted base	d on Vertical approximated P	ased on		1	grab groundwater sample GEI073-B6:08082	
	Coordinates Data Source: Horizontal approximated based on . Vertical approximated based on .												
	Log of Boring GEI073-B6 Project: Roy Farms												
C	GEOENGINEERS Project Location: Moxee, Washington Project Number: 504-213-00 Figure B- Sheet 1 of 2												

Appendix C IDW Disposal Documentation

	HAZARDOUS	1. Generator ID Number		2. Page 1 of		ency Respons		10 000000 000	racking Nur	
	TE MANIFEST tor's Name and Mail	ling Address						than mailing addre		-19(3)
	tor's Name and Mail						-			
	1 Walters Roa xon, WA 9862									
Generator	's Phone:		208-288-8328							
	orter 1 Company Na	me onmantal Servicas						U.S. EPA ID		0055713
	orter 2 Company Na				-			U.S. EPA ID		0009713
								1		
8. Designa	ated Facility Name a	and Site Address	NWW Inc.		1. X			U.S. EPA ID	Number	
	829 Cedar Spr								ORDOA	9452353
	Ington, OR 97	812 541	4642643					1		
Facility's I						10. Cont	tainers	11. Total	12. Unit	
9.1	Waste Shipping Nan	ne and Description				No.	Туре	Quantity	Wt./Vol.	
1.	NONFICRA	/ NONDOT REGUL	ATED MATERIAL (IDV	V SOIL)			DM		P	
						.6	31	1,200		
2.				3.						
	NONFICKA	/ NONDOT REGUL	ATED MATERIAL (PU	TOE WATER		1	DM	500°	P	
						1		~~~		
3.										
4.										
-										
	01: (OR3608	ons and Additional Information ISON IDW Soll ISON Porce Water	n							
14. GENE	01: (OR3608 02 (OR3608	160) IDW Soil 161) Purpe Water Pr's CERTIFICATION: I her	reby declare that the contents of	f this consignment a	are fully and	d accurately de	escribed abov	a by the proper sh	hipping name	e, and are classified, p
14. GENE marke	01: (OR3508 02: (OR3508 RATOR'S/OFFERO d and labeled/placa	180) IDW Soil 181) Purge Water OR'S CERTIFICATION: I her rded, and are in all respects	on reby declare that the contents of in proper condition for transport	t according to applie	cable intern	d accurately de national and na	escribed abovitional government	e by the proper sh nental regulations	hipping name	
14. GENE marke	01: (OR3608 02 (OR3608	160) IDW Soil 161) Purge Water OR'S CERTIFICATION: I her rded, and are in all respects	reby declare that the contents of	t according to applie	are fully and cable interm gnature	d accurately de ational and na	escribed above	e by the proper sh nental regulations	nipping name	e, and are classified, p Month D
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Appendix D

Chemical Analytical Laboratory Reports and Data Validation

Appendix D Analytical Laboratory Report

SAMPLES

Chain-of-custody procedures were followed during the transport of the field samples to Eurofins Environmental Testing Laboratory located in Spokane, Washington. The samples were held in cold storage pending extraction and/or analysis. The analytical results and laboratory quality control records are included in this appendix.

ANALYTICAL DATA REVIEW

The laboratory maintains an internal QA/QC program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries and blank spike duplicate recoveries to evaluate the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The data quality goals were included in the laboratory report dated August 27, 2024.

ANALYTICAL DATA REVIEW SUMMARY

We reviewed the laboratory's internal QA/QC in the context of data quality goals. Based on our review, in our opinion, the quality of the analytical data is acceptable for the intended use.





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Project:	Roy Farms – Environmental Services August 2024 Soil and Groundwater Samples
File:	0504-213-00
Date:	September 4, 2024

This report documents the results of a United States Environmental Protection Agency (USEPA)-defined Stage 2A data validation (USEPA Document 540-R-08-005; USEPA, 2009) of analytical data from the analyses of soil and groundwater samples collected as part of the August 2024 sampling event, and the associated laboratory and field quality control (QC) samples. The samples were obtained from the Roy Farms facility located at 401 Walters Road in Moxee, Washington.

Objective and Quality Control Elements

GeoEngineers, Inc. (GeoEngineers) completed the data validation consistent with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020a) and Inorganic Superfund Methods Data Review (USEPA, 2020b) (National Functional Guidelines) to determine if the laboratory analytical results meet the project objectives and are usable for their intended purpose. Data usability was assessed by determining if:

- The samples were analyzed using well-defined and acceptable methods that provide reporting limits below applicable regulatory criteria;
- The precision and accuracy of the data are well-defined and sufficient to provide defensible data; and
- The quality assurance/quality control (QA/QC) procedures utilized by the laboratory meet acceptable industry practices and standards.

The data validation included review of the following QC elements:

- Data Package Completeness
- Chain-of-Custody Documentation
- Holding Times and Sample Preservation
- Surrogate Recoveries
- Method and Trip Blanks
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/Laboratory Control Sample Duplicates
- Laboratory/Field Duplicates
- Miscellaneous

Validated Sample Delivery Groups

This data validation included review of the sample delivery group (SDG) listed below in Table 1.

TABLE 1. SUMMARY OF VALIDATED SAMPLE DELIVERY GROUPS

LABORATORY SDG	SAMPLES VALIDATED
590-26366-1	GEI 073-B1 (10-11.5), GEI 073-B1-080824, GEI 073-B1-080824 (2 MICRON), GEI 073-B2 (13-14), GEI 073-B3 (10-11), GEI 073-B3-080924, GEI 073-B3-080924 (2 MICRON), GEI 073-B4 (13-14), GEI 073-B4-080924, GEI 073-B4-080924 (2 MICRON), GEI 073-B5 (5-6), GEI 073-DUP, GEI 073-B5 (10-11), GEI 073-B5-080924, GEI 073-080924DUP, GEI 073-B5-080924 (2 MICRON), GEI 073-080924DUP (2 MICRON), GEI 073-B6 (8-9), GEI 073-B6-080924, GEI 073-B6-080924 (2 MICRON), GEI 073-COMP, TRIP BLANK-20240809-S, TRIP BLANK-20240809-W

Chemical Analysis Performed

Eurofins Environment Testing, Inc. (Eurofins), located in Spokane, Washington, performed laboratory analyses on the samples using one or more of the following methods:

- Gasoline-range Hydrocarbons (NWTPH-Gx) by Method NWTPH-Gx;
- Petroleum Hydrocarbons (NWTPH-Dx) by Method NWTPH-Dx;
- Petroleum Hydrocarbons with Silica Gel (SG) Cleanup (NWTPH-Dx/SG) by Method NWTPH-Dx/SG;
- Volatile Organic Compounds (VOCs) by Method EPA8260D;
- 1,2-Dibromoethane (EDB) by Method EPA8011; and
- Total and Dissolved Metals by Methods EPA6010D and EPA7471B

Data Validation Summary

The results for each of the QC elements are summarized below.

DATA PACKAGE COMPLETENESS

Eurofins provided the required deliverables for the data validation according to the National Functional Guidelines. The laboratory followed adequate corrective action processes and the identified anomalies were discussed in the relevant laboratory case narrative.

CHAIN-OF-CUSTODY DOCUMENTATION

Chain-of-custody (COC) forms were provided with the laboratory analytical reports. The COCs were accurate and complete when submitted to the laboratory, with the following exception:

SDG 590-26366-1: The laboratory noted that trip blank samples were received at the laboratory; however, the samples were not listed on the COC. The samples were logged for VOC analyses at the request of GeoEngineers.

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HOLDING TIMES AND SAMPLE PRESERVATION

The sample holding time is defined as the time that elapses between sample collection and sample analysis. Maximum holding time criteria exist for each analysis to help ensure that the analyte concentrations found at the time of analysis reflect the concentration present at the time of sample collection. Established holding times were met for each analysis. The sample coolers arrived at the laboratory within the appropriate temperatures of between two and six degrees Celsius.

SURROGATE RECOVERIES

A surrogate compound is a compound that is chemically similar to the organic analytes of interest, but unlikely to be found in an environmental sample. Surrogates are used for organic analyses and are added to the samples, standards, and blanks to serve as an accuracy and specificity check of each analysis. The surrogates are added to the samples at a known concentration and percent recoveries are calculated following analysis. The surrogate percent recoveries for field samples were within the laboratory control limits, with the following exceptions:

SDG 590-26366-1: (NWTPH-Dx) The percent recovery for surrogate o-Terphenyl was greater than the control limits in Sample GEI 073-B2 (13-14). The positive results for diesel- and lube oil-range hydrocarbons were qualified as estimated (J) in this sample.

(VOCs) The percent recovery for surrogate dibromofluoromethane was less than the control limits in Samples GEI 073-B5-080924 and GEI 073-080924DUP; however, the samples were spiked with three additional surrogates and in each case the percent recovery values were within their respective control limits. No action was required for these outliers.

METHOD AND TRIP BLANKS

Method Blanks

Method blanks are analyzed to ensure that laboratory procedures and reagents do not introduce measurable concentrations of the analytes of interest. A method blank was analyzed with each batch of samples, at a frequency of 1 per 20 samples. For each sample batch, method blanks for the applicable methods were analyzed at the required frequency. None of the analytes of interest were detected in the method blanks.

Trip Blanks

Trip blanks are analyzed to provide an indication as to whether volatile compounds have cross-contaminated other like samples within the transportation process to the laboratory. None of the analytes of interest were detected in the trip blank, with the following exceptions:

SDG 590-26366-1: (VOCs) There was a positive result for ethylbenzene, m,p-Xylene, and naphthalene detected in the trip blank, Sample TRIP BLANK-20240809-W. The positive results for ethylbenzene and m,p-Xylene were qualified as non-detected (U) in Sample GEI 073-B3-080924. The positive result for naphthalene was qualified as non-detected (U) in Sample GEI 073-B4-080924. The positive results for ethylbenzene, m,p-Xylene, and naphthalene were qualified as non-detected (U) in Sample GEI 073-B4-080924. The positive results for ethylbenzene, m,p-Xylene, and naphthalene were qualified as non-detected (U) in Sample GEI 073-B4-080924.

Data Validation Report September 4, 2024 Page 4

MATRIX SPIKES/MATRIX SPIKE DUPLICATES

Since the actual analyte concentration in an environmental sample is not known, the accuracy of a particular analysis is usually inferred by performing a matrix spike (MS) analysis on one sample from the associated batch, known as the parent sample. One aliquot of the sample is analyzed in the normal manner and then a second aliquot of the sample is spiked with a known amount of analyte concentration and analyzed. From these analyses, a percent recovery is calculated. Matrix spike duplicate (MSD) analyses are generally performed for organic analyses as a precision check and analyzed in the same sequence as a matrix spike. Using the result values from the MS and MSD, the relative percent difference (RPD) is calculated. The percent recovery control limits for MS and MSD analyses are specified in the laboratory documents, as are the RPD control limits for MS/MSD sample sets.

One MS/MSD analysis should be performed for every analytical batch or every 20 field samples, whichever is more frequent. The frequency requirements were met for each analysis and the percent recovery and RPD values were within the proper control limits, with the following exception:

SDG 590-26366-1: (Total Metals) The laboratory performed an MS/MSD sample set on Sample GEI 073-B1 (10-11.5). The percent recovery for total silver was less than the control limits in the MS digested on 8/23/2024; however, the percent recovery for this target analyte was within the control limits in the corresponding MSD. No action was required for this outlier.

LABORATORY CONTROL SAMPLES/LABORATORY CONTROL SAMPLE DUPLICATES

A laboratory control sample (LCS) is a blank sample that is spiked with a known amount of analyte and then analyzed. An LCS is similar to an MS, but without the possibility of matrix interference. Given that matrix interference is not an issue, the LCS/LCSD control limits for accuracy and precision are usually more rigorous than for MS/MSD analyses. Additionally, data qualification based on LCS/LCSD analyses would apply to all samples in the associated batch, instead of just the parent sample. The percent recovery control limits for LCS and LCSD analyses are specified in the laboratory documents, as are the RPD control limits for LCS/LCSD sample sets.

One LCS/LCSD analysis should be performed for every analytical batch or every 20 field samples, whichever is more frequent. The frequency requirements were met for each analysis and the percent recovery and RPD values were within the proper control limits, with the following exceptions:

SDG 590-26366-1: (EDB) The RPD for EDB was greater than the control limits in the LCS/LCSD extracted on 8/16/2024. There were no positive results for this target analyte in the associated field samples; therefore, no qualifications were required.

(Total Metals) The percent recovery for total silver was greater than the control limits in the LCS/LCSD digested on 8/23/2024. There were no positive results for this target analyte in the associated field sample; therefore, no qualification was required.

LABORATORY DUPLICATES

Internal laboratory duplicate analyses are performed to monitor the precision of the analyses. Two separate aliquots of a sample are analyzed as distinct samples in the laboratory and the RPD between the two results
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is calculated. Duplicate analyses should be performed once per analytical batch. If one or more of the samples used has a concentration less than five times the reporting limit for that sample, the absolute difference is used instead of the RPD. The RPD control limits are specified in the laboratory documents. Laboratory duplicates were analyzed at the proper frequency and the specified acceptance criteria were met, with the following exception:

SDG 590-26366-1: (NWTPH-Dx) The laboratory performed a laboratory duplicate sample set on Sample GEI 073-B1 (10-11.5). The RPD for diesel-range hydrocarbons was greater than the control limit in the laboratory duplicate extracted on 8/16/2024. The positive result for this target analyte was qualified as estimated (J) in this sample.

FIELD DUPLICATES

In order to assess precision, field duplicate samples were collected and analyzed along with the reviewed sample batches. The duplicate samples were analyzed for the same parameters as the associated parent samples. Precision is determined by calculating the RPD between each pair of samples. If one or more of the sample analytes has a concentration less than five times the reporting limit for that sample, then the absolute difference is used instead of the RPD. The RPD control limit for water samples is 30 percent. The RPD control limit for soil samples is 40 percent.

SDG 590-26366-1: Three field duplicate sample pairs were submitted with this SDG:

- GEI 073-B5 (5-6)/GEI 073-DUP
- GEI 073-B5-080924/GEI 073-080924DUP
- GEI 073-B5-080924 (2 MICRON)/GEI 073-080924DUP (2 MICRON)

The precision criteria for the target analytes were met for these sample pairs, with the exception of diesel-range hydrocarbons and diesel-range hydrocarbons (SG) in Samples GEI 073-B5-080924 and GEI 073-080924DUP. The positive results for these target analytes were qualified as estimated (J) in this sample pair.

MISCELLANEOUS

SDG 590-26366-1: (NWTPH-Gx) The positive results for gasoline-range hydrocarbons in Samples GEI 073-B3 (10-11), GEI 073-B3-080924, and GEI 073-B4 (13-14) appear to be due to diesel-range hydrocarbons overlap in the sample concentrations. For this reason, the positive results for this target analyte were qualified as estimated (J) in these samples.

(NWTPH-Dx) The positive results for diesel-range hydrocarbons in Samples GEI 073-B2 (13-14), GEI 073-B3 (10-11), and GEI 073-B3-080924 appear to be due to weathered diesel in the sample concentrations. For this reason, the positive results for this target analyte were qualified as estimated (J) in these samples.

The positive result for diesel-range hydrocarbons in Sample GEI 073-B1 (10-11.5) appears to be due to heavily weathered diesel in the sample concentration. For this reason, the positive result for this target analyte was qualified as estimated (J) in this sample.

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The positive results for diesel-range hydrocarbons in Samples GEI 073-B5-080924 and GEI 073-080924DUP appear to be due to gasoline-range hydrocarbons overlap in the sample concentrations. For this reason, the positive results for this target analyte were qualified as estimated (J) in these samples.

(NWTPH-Dx/SG) The positive result for diesel-range hydrocarbons in Sample GEI 073-B3-080924 appears to be due to weathered diesel in the sample concentration. For this reason, the positive result for this target analyte was qualified as estimated (J) in this sample.

The positive results for diesel-range hydrocarbons in Samples GEI 073-B5-080924 and GEI 073-080924DUP appear to be due to gasoline-range hydrocarbons overlap in the sample concentrations. For this reason, the positive results for this target analyte were qualified as estimated (J) in these samples.

Overall Assessment

As was determined by this data validation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate, LCS/LCSD, and MS/MSD percent recovery values, with the exceptions noted above. Precision was acceptable, as demonstrated by the LCS/LCSD, MS/MSD, and laboratory/field duplicate RPD values, with the exceptions noted above.

The data are acceptable for the intended use, with the following qualifications listed below in Table 2.

TABLE 2. SUMMARY OF QUALIFIED SAMPLES

SAMPLE ID	ANALYTE	QUALIFIER	REASON
GEI 073-B1 (10-11.5)	Diesel-range hydrocarbons	J	Laboratory Duplicate Precision/See Miscellaneous
GEI 073-B2 (13-14)	Diesel-range hydrocarbons	J	Surrogate Recovery/See Miscellaneous
	Lube oil-range hydrocarbons	J	Surrogate Recovery
GEI 073-B3 (10-11)	Gasoline-range hydrocarbons	J	See Miscellaneous
	Diesel-range hydrocarbons	J	See Miscellaneous
	Gasoline-range hydrocarbons	J	See Miscellaneous
	Diesel-range hydrocarbons	J	See Miscellaneous
GEI 073-B3-080924	Diesel-range hydrocarbons (SG)	J	See Miscellaneous
	Ethylbenzene	U	Trip Blank Contamination
	m,p Xylene	U	Trip Blank Contamination
GEI 073-B4 (13-14)	Gasoline-range hydrocarbons	J	See Miscellaneous
GEI 073-B4-080924	Naphthalene	U	Trip Blank Contamination
GEI 073-B5-080924	Diesel-range hydrocarbons	J	Field Duplicate Precision/See Miscellaneous
GEI 073-03-080924	Diesel-range hydrocarbons (SG)	J	Field Duplicate Precision/See Miscellaneous
	Diesel-range hydrocarbons	J	Field Duplicate Precision/See Miscellaneous
GEI 073-080924DUP	Diesel-range hydrocarbons (SG)	J	Field Duplicate Precision/See Miscellaneous

	Ethylbenzene	U	Trip Blank Contamination
GEI 073-B6-080924	m,p Xylene	U	Trip Blank Contamination
	Naphthalene	U	Trip Blank Contamination

References

- U.S. Environmental Protection Agency (USEPA). "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use," EPA-540-R-08-005. January 2009.
- U.S. Environmental Protection Agency (USEPA) 2020a. Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review, EPA-540-R-20-005. November 2020.
- U.S. Environmental Protection Agency (USEPA) 2020b. Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA-542-R-20-006. November 2020.

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Andrew Provant GeoEngineers Inc 412 East Parkcenter Blvd. Suite 305 Boise, Idaho 83706 Generated 9/3/2024 12:37:18 PM Revision 1

JOB DESCRIPTION

Roy Farms/0504-213-00

JOB NUMBER

590-26366-1

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206





Eurofins Spokane

Job Notes

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Authorization

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Eurofins Spokane

Job Narrative 590-26366-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision

The report being provided is a revision of the original report sent on 8/27/2024. The report (revision 1) is being revised due to: revised the following client sample IDs due to login error: 590-26366-31, 590-26366-31, 590-26366-32, 590-26366-33, 590-26366-34, 590-26366-35.

Receipt

The samples were received on 8/12/2024 9:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

Gasoline Range Organics

Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap: GEI 073-B3-080924 (590-26366-23).

Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap: GEI 073-B3 (10-11) (590-26366-9) and GEI 073-B4 (13-14) (590-26366-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA

Method 8260D: Surrogate recovery for the following samples were outside control limits: GEI 073-B5-080924 (590-26366-25) and GEI 073-080924DUP (590-26366-27). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-48993 recovered outside acceptance criteria, low biased, for Methyl tert-butyl ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-49022 recovered outside acceptance criteria, low biased, for Methyl tert-butyl ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8011: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 590-49000 and analytical batch 590-49007 recovered outside control limits for the following analytes: 1,2-Dibromoethane (EDB).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to weathered diesel.

Job ID: 590-26366-1 (Continued)

GEI 073-B2 (13-14) (590-26366-6), GEI 073-B3 (10-11) (590-26366-9), GEI 073-B3-080924 (590-26366-23) and (590-26366-A-6-C DU)

Method NWTPH_Dx: Surrogate recovery for the following samples were outside control limits: GEI 073-B2 (13-14) (590-26366-6) and (590-26366-A-6-C DU). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered diesel.

GEI 073-B1 (10-11.5) (590-26366-2)

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap.

GEI 073-B5-080924 (590-26366-25) and GEI 073-080924DUP (590-26366-27)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6010D: The laboratory control sample (LCS) for preparation batch 590-49174 and analytical batch 590-49233 recovered outside control limits for the following analytes: Silver. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 6010D: The post digestion spike % recovery for Silver associated with batch 590-49233 was outside of control limits. The associated sample is: (590-26366-A-2-G PDS ^10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: GeoEngineers Inc Project/Site: Roy Farms/0504-213-00

Job ID: 5	90-26366-1
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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-26366-2	GEI 073-B1 (10-11.5)	Solid	08/08/24 13:30	08/12/24 09:26
590-26366-6	GEI 073-B2 (13-14)	Solid	08/08/24 17:20	08/12/24 09:26
590-26366-9	GEI 073-B3 (10-11)	Solid	08/09/24 08:20	08/12/24 09:26
590-26366-12	GEI 073-B4 (13-14)	Solid	08/09/24 11:00	08/12/24 09:26
590-26366-14	GEI 073-B5 (5-6)	Solid	08/09/24 14:00	08/12/24 09:26
590-26366-15	GEI 073-B5 (10-11)	Solid	08/09/24 14:30	08/12/24 09:26
590-26366-18	GEI 073-B6 (8-9)	Solid	08/09/24 17:30	08/12/24 09:26
590-26366-20	GEI 073-DUP	Solid	08/09/24 07:30	08/12/24 09:26
590-26366-21	GEI 073-COMP	Solid	08/09/24 00:00	08/12/24 09:26
590-26366-22	GEI 073-B1-080824	Water	08/09/24 16:30	08/12/24 09:26
590-26366-23	GEI 073-B3-080924	Water	08/09/24 10:40	08/12/24 09:26
590-26366-24	GEI 073-B4-080924	Water	08/09/24 12:50	08/12/24 09:26
590-26366-25	GEI 073-B5-080924	Water	08/09/24 17:00	08/12/24 09:26
590-26366-26	GEI 073-B6-080924	Water	08/09/24 19:00	08/12/24 09:26
590-26366-27	GEI 073-080924DUP	Water	08/09/24 07:30	08/12/24 09:26
590-26366-28	Trip Blank	Water	08/09/24 00:00	08/12/24 09:26
590-26366-29	Trip Blank	Solid	08/09/24 00:00	08/12/24 09:26
590-26366-30	GEI 073-B1-080824 (2 micron)	Water	08/09/24 16:30	08/12/24 09:26
590-26366-31	GEI 073-B3-080924 (2 micron)	Water	08/09/24 10:40	08/12/24 09:26
590-26366-32	GEI 073-B4-080924 (2 micron)	Water	08/09/24 12:50	08/12/24 09:26
590-26366-33	GEI 073-B5-080924 (2 micron)	Water	08/09/24 17:50	08/12/24 09:26
590-26366-34	GEI 073-B6-080924 (2 micron)	Water	08/09/24 19:00	08/12/24 09:26
590-26366-35	GEI 073-080924DUP (2 micron)	Water	08/09/24 07:30	08/12/24 09:26

Qualifiers

GC/MS VOA		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
S1-	Surrogate recovery exceeds control limits, low biased.	
GC Semi VO	Α	
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD exceeds control limits.	_
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is <	
	the upper reporting limits for both.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	
Metals		
Qualifier	Qualifier Description	
*+	LCS and/or LCSD is outside acceptance limits, high biased.	- 1
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.	
F1	MS and/or MSD recovery exceeds control limits.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Glossary		- 1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GEI 073-B1 (10-11.5) Date Collected: 08/08/24 13:30 Date Received: 08/12/24 09:26

Job ID: 590-26366-1

Lab Sample ID: 590-26366-2 Matrix: Solid

Percent Solids: 91.7

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.082	0.018	mg/Kg	<u>ф</u>	08/16/24 11:53	08/16/24 22:23	1
Benzene	ND		0.016	0.0082	mg/Kg	¢	08/16/24 11:53	08/16/24 22:23	1
Ethylbenzene	ND		0.082	0.013	mg/Kg	¢	08/16/24 11:53	08/16/24 22:23	1
m,p-Xylene	ND		0.33	0.024	mg/Kg	¢	08/16/24 11:53	08/16/24 22:23	1
Methyl tert-butyl ether	ND		0.041	0.025	mg/Kg	¢	08/16/24 11:53	08/16/24 22:23	1
Naphthalene	ND		0.16	0.023	mg/Kg	¢	08/16/24 11:53	08/16/24 22:23	1
o-Xylene	ND		0.16	0.019	mg/Kg	Ф	08/16/24 11:53	08/16/24 22:23	1
Toluene	ND		0.082	0.037	mg/Kg	¢	08/16/24 11:53	08/16/24 22:23	1
Xylenes, Total	ND		0.49	0.042	mg/Kg	¢	08/16/24 11:53	08/16/24 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	99		79 - 124				08/16/24 11:53	08/16/24 22:23	1
4-Bromofluorobenzene (Surr)	101		66 - 129				08/16/24 11:53	08/16/24 22:23	1
Dibromofluoromethane (Surr)	111		80 - 120				08/16/24 11:53	08/16/24 22:23	1
Toluene-d8 (Surr)	100		80 - 120				08/16/24 11:53	08/16/24 22:23	1
Method: NWTPH-Gx - Northw	est - Volatile	e Petroleu	m Products (GC/MS)					
Analyte	Result	Qualifier	RL	MDĹ	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.1	1.5	mg/Kg	<u></u>	08/16/24 11:53	08/16/24 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	101		41.5 - 162				08/16/24 11:53	08/16/24 22:23	1
Analyte	Result	Qualifier	RL		Unit ug/Kg	D	Prepared	Analyzed	
Analyte 1,2-Dibromoethane (EDB)	Result ND	Qualifier	RL 0.083	0.036	ug/Kg	D	· · · · · · · · · · · · · · · · · · ·	Analyzed 08/14/24 20:28	
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwe	Result ND est - Semi-V	Qualifier	RL 0.083	0.036 ucts (GC	ug/Kg	<u>ф</u>	08/14/24 07:48	08/14/24 20:28	1
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwo Analyte Diesel Range Organics (DRO)	Result ND est - Semi-V	Qualifier	RL 0.083	0.036 ucts (GC MDL	ug/Kg		· · · · · · · · · · · · · · · · · · ·		Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwo Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	Result ND est - Semi-V Result	Qualifier Olatile Pe Qualifier	RL 0.083	0.036 ucts (GC MDL	ug/Kg C) Unit mg/Kg	₽	08/14/24 07:48 Prepared	08/14/24 20:28 Analyzed 08/16/24 18:46	1 Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	Result ND est - Semi-V Result 15	Qualifier Olatile Pe Qualifier	RL 0.083 troleum Prod RL 10	0.036 lucts (GC MDL 4.3	ug/Kg C) Unit mg/Kg	&	08/14/24 07:48 Prepared 08/16/24 11:14	08/14/24 20:28 Analyzed 08/16/24 18:46	Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate	Result ND est - Semi-V Result 15 7.2	Qualifier Olatile Pe Qualifier	RL 0.083 troleum Prod RL 10 26	0.036 lucts (GC MDL 4.3	ug/Kg C) Unit mg/Kg	&	08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14	08/14/24 20:28 Analyzed 08/16/24 18:46 08/16/24 18:46	Dil Fac 1 1 Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwo Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl	Result ND est - Semi-V Result 15 7.2 %Recovery	Qualifier Olatile Pe Qualifier	RL 0.083 troleum Prod RL 10 26 Limits	0.036 lucts (GC MDL 4.3	ug/Kg C) Unit mg/Kg	&	08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14	08/14/24 20:28 Analyzed 08/16/24 18:46 08/16/24 18:46 Analyzed	Dil Fac 1 1 Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwo Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92	Qualifier Olatile Pe Qualifier	RL 0.083 troleum Prod RL 10 26 Limits 50 - 150	0.036 lucts (GC MDL 4.3	ug/Kg C) Unit mg/Kg	&	08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14	Analyzed 08/16/24 20:28 Analyzed 08/16/24 08/16/24 18:46 Analyzed 08/16/24	Dil Fac 1 1 Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP)	Qualifier Olatile Pe Qualifier	RL 0.083 troleum Prod RL 10 26 Limits 50 - 150	0.036 Iucts (GC MDL 4.3 5.1	ug/Kg C) Unit mg/Kg	&	08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14	Analyzed 08/16/24 20:28 Analyzed 08/16/24 08/16/24 18:46 Analyzed 08/16/24	Dil Fac 1 Dil Fac 1 Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP)	Qualifier Olatile Pe Qualifier J Qualifier	RL 0.083 troleum Prod RL 10 26 Limits 50 - 150 50 - 150 50 - 150	0.036 Iucts (GC MDL 4.3 5.1 MDL	ug/Kg C) Unit mg/Kg mg/Kg		08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared Prepared	Analyzed 08/14/24 20:28 Analyzed 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46	Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwa Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate co-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Hient Sample ID: GEI 073	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP) Result ND	Qualifier Olatile Pe Qualifier J Qualifier	RL 0.083 troleum Prod RL 10 26 Limits 50 - 150 50 - 150 RL	0.036 Iucts (GC MDL 4.3 5.1 MDL	ug/Kg Unit mg/Kg mg/Kg Unit		08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16	Analyzed 08/14/24 20:28 Analyzed 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/26/24 18:33 O8/26/24 13:33 O8/26/24 13:33	Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwa Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/08/24 17:20	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP) Result ND	Qualifier Olatile Pe Qualifier J Qualifier	RL 0.083 troleum Prod RL 10 26 Limits 50 - 150 50 - 150 RL	0.036 Iucts (GC MDL 4.3 5.1 MDL	ug/Kg Unit mg/Kg mg/Kg Unit		Prepared 08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14 Prepared 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/23/24 11:14 08/23/24 11:16 ab Sample	Analyzed 08/14/24 20:28 Analyzed 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/26/24 18:33 O8/26/24 13:33 O8/26/24 13:33	Dil Fac Dil Fac Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwa Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/08/24 17:20 ate Received: 08/12/24 09:26	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP) Result ND 8-B2 (13-14)	Qualifier Colatile Per Qualifier J Qualifier Qualifier	RL 0.083 troleum Prod 10 26 Limits 50 - 150 50 - 150 RL 25	0.036 Uucts (GC MDL 4.3 5.1 MDL 12	ug/Kg Unit mg/Kg mg/Kg Unit		Prepared 08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14 Prepared 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/23/24 11:14 08/23/24 11:16 ab Sample	Analyzed 08/14/24 20:28 Analyzed 08/16/24 18:46	Dil Fac Dil Fac Dil Fac
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwo Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terpheny/ n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/08/24 17:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP) Result 8-B2 (13-14) tile Organic	Qualifier Colatile Per Qualifier J Qualifier Qualifier	RL 0.083 troleum Prod 10 26 Limits 50 - 150 50 - 150 RL 25	0.036 Uucts (GC MDL 4.3 5.1 MDL 12	ug/Kg Unit mg/Kg mg/Kg Unit		Prepared 08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14 Prepared 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/23/24 11:14 08/23/24 11:16 ab Sample	Analyzed 08/14/24 20:28 Analyzed 08/16/24 18:46	Dil Fac Dil Fac Dil Fac Dil Fac 10 366-6 c: Solid
Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwo Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/08/24 17:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP) Result 8-B2 (13-14) tile Organic	Qualifier Olatile Pe Qualifier J Qualifier Qualifier 4)	RL 0.083 troleum Prod RL 10 26 Limits 50 - 150 50 - 150 50 - 25	0.036 MDL 4.3 5.1 MDL 12 MDL 12 MDL 0.19	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg		08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 Prepared 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample	Analyzed 08/14/24 20:28 Analyzed 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/26/24 13:33 e ID: 590-26 Matrix Percent Solid	Dil Fac
Method: SW846 8011 - EDB, E Analyte 1,2-Dibromoethane (EDB) Method: NWTPH-Dx - Northwa Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 Date Collected: 08/08/24 17:20 Date Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene	Result ND est - Semi-V Result 15 7.2 %Recovery 93 92 Is (ICP) Result ND 8-B2 (13-14) tile Organic Result	Qualifier Olatile Pe Qualifier J Qualifier Qualifier 4)	RL 0.083 troleum Prod RL 10 26 Limits 50 - 150 50 - 150 50 - 25 RL 25	0.036 MDL 4.3 5.1 MDL 12 MDL 12 MDL 0.19	ug/Kg Unit mg/Kg mg/Kg Unit Unit		Prepared 08/14/24 07:48 Prepared 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/16/24 11:14 08/23/24 11:16 .ab Sample 08/16/24 11:53	Analyzed 08/14/24 20:28 Analyzed 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/16/24 18:46 08/26/24 13:33 DI: 590-26 Matrix Percent Solid	Dil Fac

Eurofins Spokane

© 08/16/24 11:53 08/16/24 22:49

3.4

0.24 mg/Kg

6.1

m,p-Xylene

Client: GeoEngineers Inc Project/Site: Roy Farms/0504-213-00

Toluene

Client Sample ID: GEI 073-B2 (13-14) Date Collected: 08/08/24 17:20 Date Received: 08/12/24 09:26

	-	Qualifier	nds by GC/MS RL	(Conti MDL		D	Prepared	Analyzed	Dil Fa
Analyte Methyl tert-butyl ether	ND	Quaimer	RL		mg/Kg	<u>– –</u>	08/16/24 11:53	08/16/24 22:49	<u>- Dii Fa</u>
Naphthalene	6.4		1.7		mg/Kg	¢	08/16/24 11:53	08/16/24 22:49	1
o-Xylene	0.35	J	1.7		mg/Kg	÷.	08/16/24 11:53	08/16/24 22:49	1
Toluene	ND		0.85		mg/Kg	¢	08/16/24 11:53	08/16/24 22:49	1
Xylenes, Total	6.4		5.1	0.44	mg/Kg	¢	08/16/24 11:53	08/16/24 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	94		79 - 124				08/16/24 11:53	08/16/24 22:49	1
4-Bromofluorobenzene (Surr)	107		66 - 129				08/16/24 11:53	08/16/24 22:49	1
Dibromofluoromethane (Surr)	99		80 - 120				08/16/24 11:53	08/16/24 22:49	1
Toluene-d8 (Surr)	102		80 - 120				08/16/24 11:53	08/16/24 22:49	1
Method: NWTPH-Gx - Northw	est - Volatile	Petroleu	m Products (
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline	1600		43	15	mg/Kg	<u></u>	08/16/24 11:53	08/16/24 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-		Quaimer					<u> </u>	•	<u></u> 1
4-Bromofluorobenzene (Surr)	107		41.5 - 162				08/16/24 11:53	08/16/24 22:49	1
Method: SW846 8011 - EDB, [OBCP, and 1	,2,3-TCP	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dibromoethane (EDB)	ND		0.087	0.038	ug/Kg	¢	08/14/24 07:48	08/14/24 21:18	
Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	1500 23	J	11 27		mg/Kg mg/Kg	¢	08/16/24 11:14 08/16/24 11:14	08/16/24 19:29 08/16/24 19:29	
(C25-C36)									
	%Recovery		Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	174	Qualifier S1+	50 - 150				08/16/24 11:14	08/16/24 19:29	Dil Fa
o-Terphenyl							08/16/24 11:14		Dil Fa
o-Terphenyl n-Triacontane-d62	174 91		50 - 150				08/16/24 11:14	08/16/24 19:29	Dil Fa
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta	174 91 Is (ICP)		50 - 150	MDL	Unit	D	08/16/24 11:14	08/16/24 19:29	Dil Fa
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte	174 91 Is (ICP)	S1+	50 - 150 50 - 150		Unit mg/Kg	<u>D</u>	08/16/24 11:14 08/16/24 11:14	08/16/24 19:29 08/16/24 19:29 Analyzed	Dil Fa
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead	174 91 Is (ICP) Result ND	S1+ Qualifier	50 - 150 50 - 150 RL			₩ ₩	08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16	08/16/24 19:29 08/16/24 19:29 Analyzed	Dil Fa
Surrogate o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 Date Collected: 08/09/24 08:20	174 91 Is (ICP) Result ND	S1+ Qualifier	50 - 150 50 - 150 RL			₩ ₩	08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16	08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58	Dil Fa Dil Fa 1 366-5
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073	174 91 Is (ICP) Result ND	S1+ Qualifier	50 - 150 50 - 150 RL			₩ ₩	08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample	08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58 DI: 590-26	<u>Dil Fa</u> <u>1</u> 3366-3 :: Solic
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 vate Collected: 08/09/24 08:20 vate Received: 08/12/24 09:26	174 91 Is (ICP) Result ND B-B3 (10-11	S1+ Qualifier	50 - 150 50 - 150 RL 23	11		₩ ₩	08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample	08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58 DI: 590-26 Matrix	<u>Dil Fa</u> <u>1</u> 3366-3 2: Solic
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 Pate Collected: 08/09/24 08:20 Pate Received: 08/12/24 09:26 Method: SW846 8260D - Volat	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic	S1+ Qualifier	50 - 150 50 - 150 - RL 23 - 23	11	mg/Kg	—	08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample	08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58 ID: 590-26 Matrix Percent Solid	Dil Fa Dil Fa 1 3366-5 2: Solid 5: 89.2
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic Result	S1+ Qualifier	50 - 150 50 - 150 RL 23 nds by GC/MS RL	11 MDL	mg/Kg Unit	E	08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample Prepared	08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58 ID: 590-26 Matrix Percent Solid	Dil Fa Dil Fa 1 3366-5 1 2: Solic 5: 89.3 Dil Fa
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane	174 91 Is (ICP) Result ND 8-B3 (10-11) tile Organic Result ND	S1+ Qualifier	nds by GC/MS 0.11	11 MDL 0.025	Unit mg/Kg		08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 .ab Sample Prepared 08/16/24 11:53	O8/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58 ID: 590-26 Matrix Percent Solid 08/16/24 23:14	Dil Fa Dil Fa 1 3366-5 1 2366-5 1 2366-5 2 2 3 3 6 3 1 1 2 3 1 1 1 2 3 1 2 3 1 2 1 1 1 1 1
p-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic Result ND ND	S1+ Qualifier	50 - 150 50 - 150 50 - 150 RL 23 ads by GC/MS RL 0.11 0.023	11 MDL 0.025 0.011	Unit mg/Kg mg/Kg		08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample Prepared 08/16/24 11:53 08/16/24 11:53	Analyzed 08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58 ID: 590-26 Matrix Percent Solid 08/16/24 23:14 08/16/24 23:14	Dil Fa Dil Fa 1 3366-5 1 5: 89.
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic Result ND ND ND	S1+ Qualifier	50 - 150 50 - 150 RL 23 Mods by GC/MS RL 0.11 0.023 0.11	11 MDL 0.025 0.011 0.018	Unit mg/Kg mg/Kg mg/Kg		08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	O8/16/24 19:29 08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 08/26/24 13:58 ID: 590-26 Matrix Percent Solid Percent Solid 08/16/24 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14	Dil Fa Dil Fa 1 366-4 1 366-4 1 3 366-4 1 3 3 3 6 3 3 6 4 3 1 1 3 3 6 6 4 3 1 1 3 1 1 3 3 6 6 4 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic Result ND ND ND ND	S1+ Qualifier	50 - 150 50 - 150 RL 23 nds by GC/MS RL 0.11 0.023 0.11 0.45	11 MDL 0.025 0.011 0.018 0.032	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Analyzed 08/16/24 19:29 08/16/24 19:29 08/16/24 19:29 Analyzed 08/26/24 13:58 DD: 590-26 Matrix Percent Solid 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14	Dil Fa Dil Fa 1 366-9 2: Solid 5: 89.2 Dil Fa
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic Result ND ND ND ND	S1+ Qualifier	50 - 150 50 - 150 RL 23 nds by GC/MS RL 0.11 0.023 0.11 0.45 0.056	11 MDL 0.025 0.011 0.018 0.032 0.034	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:14 08/16/24 11:14 Prepared 08/23/24 11:16 ab Sample 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	O8/16/24 19:29 08/16/24 19:29 08/16/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 13:58 08/26/24 13:58 08/26/24 13:58 08/26/24 13:58 08/26/24 13:58 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14	Dil Fa Dil Fa 1 366-9 3: Solic s: 89.3 Dil Fa
o-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead Client Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic Result ND ND ND ND ND ND	S1+ Qualifier	50 - 150 50 - 150 50 - 150 RL 23 nds by GC/MS RL 0.11 0.023 0.11 0.45 0.056 0.23	11 MDL 0.025 0.011 0.032 0.034 0.032	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		O8/16/24 11:14 08/16/24 11:14 O8/16/24 11:14 Prepared 08/23/24 11:16 ab Sample Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/16/24 19:29 08/16/24 19:29 08/16/24 19:29 08/26/24 13:58 DID: 590-26 Matrix Percent Solid 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14	Dil Fa Dil Fa 366-S :: Solic s: 89.2
p-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Meta Analyte Lead lient Sample ID: GEI 073 ate Collected: 08/09/24 08:20 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether	174 91 Is (ICP) Result ND B-B3 (10-11 tile Organic Result ND ND ND ND	S1+ Qualifier	50 - 150 50 - 150 RL 23 nds by GC/MS RL 0.11 0.023 0.11 0.45 0.056	11 MDL 0.025 0.011 0.032 0.034 0.032	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		O8/16/24 11:14 08/16/24 11:14 O8/16/24 11:14 Prepared 08/23/24 11:16 ab Sample Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	O8/16/24 19:29 08/16/24 19:29 08/16/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 19:29 08/26/24 13:58 08/26/24 13:58 08/26/24 13:58 08/26/24 13:58 08/26/24 13:58 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14 08/16/24 23:14	Dil Fa Dil Fa 1 366-4 :: Solid s: 89.1 Dil Fa

Eurofins Spokane

1

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Job ID: 590-26366-1

Percent Solids: 90.9

Matrix: Solid

Lab Sample ID: 590-26366-6

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ND 0.23 0.026 mg/Kg 08/16/24 11:53 08/16/24 23:14
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 ND 0.11 0.051 mg/Kg Ø8/16/24 11:53 08/16/24 23:14

Client Sample Results

Job ID: 590-26366-1

Client Sample ID: GEI 073 Date Collected: 08/09/24 08:20	-B3 (10-11)				L	ab Sample.	e ID: 590-26 Matrix	6 <mark>366-9</mark> c: Solic
Date Received: 08/12/24 09:26								Percent Solid	
Method: SW846 8260D - Volat	ile Organic	Compour	ds by GC/MS	(Conti	nued)				
Analyte	-	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Xylenes, Total	ND	dualitio	0.68		mg/Kg	— <u>–</u>	08/16/24 11:53		
0	0/ D = = = = = = = = = =	Owellifier	1 : :4				Duenened	A	D# 5-
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	99		79 - 124				08/16/24 11:53		
4-Bromofluorobenzene (Surr)	110		66 - 129				08/16/24 11:53		
Dibromofluoromethane (Surr)	110		80 - 120				08/16/24 11:53		
Toluene-d8 (Surr)	96		80 - 120				08/16/24 11:53	08/16/24 23:14	
Method: NWTPH-Gx - Northwe	est - Volatile	Petroleu	m Products (G	C/MS)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline	83		5.6	2.0	mg/Kg	<u></u>	08/16/24 11:53	08/16/24 23:14	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	110		41.5 - 162				08/16/24 11:53		
Mothod: SW946 9011 EDD D	PCD and 4	2 2 7 0 0							
Method: SW846 8011 - EDB, D Analyte		,2,3-TCP (Qualifier	RL	MDL	l Init	D	Dronored	Apolymod	Dil Fa
-		Qualifier					Prepared	Analyzed	
1,2-Dibromoethane (EDB)	ND		0.087	0.038	ug/Kg	¢	08/14/24 07:48	08/14/24 21:51	
Method: NWTPH-Dx - Northwe	est - Semi-V	olatile Pet	troleum Produ	cts (GC	;)				
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	3200		11	4.5	mg/Kg	¢	08/16/24 11:14	08/16/24 20:12	
Residual Range Organics (RRO)	28		27	5.4	mg/Kg	¢	08/16/24 11:14	08/16/24 20:12	
(C25-C36)					0 0				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	76		50 - 150				08/16/24 11:14	08/16/24 20:12	
n-Triacontane-d62	90		50 - 150				08/16/24 11:14	08/16/24 20:12	
Method: SW846 6010D - Meta	ls (ICP)								
Analyte	· · · ·	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	ND		25	12	mg/Kg			08/26/24 14:02	10
lient Comple ID: CEL 072	D4 (42 4)	1					h Comula	ID. 500 202	000 40
Client Sample ID: GEI 073 Date Collected: 08/09/24 11:00	-Б4 (13-14	•)				La	io Sample	ID: 590-263 Matrix	: Soli
Date Received: 08/12/24 09:26								Percent Solid	
Method: SW846 8260D - Volat Analyte		Compoun Qualifier	ds by GC/MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dichloroethane	ND	audinici	0.11		mg/Kg	— <u>¤</u>	08/16/24 11:53		
Benzene	ND		0.022		mg/Kg	÷ ÷	08/16/24 11:53		
Ethylbenzene	ND		0.022		mg/Kg	*	08/16/24 11:53		
m,p-Xylene	ND		0.11		mg/Kg	ېر 	08/16/24 11:53		
	ND		0.44			₽ ¢	08/16/24 11:53		
Methyl tert-butyl ether					mg/Kg				
Naphthalene	ND		0.22		mg/Kg	¢	08/16/24 11:53		
o-Xylene	ND		0.22		mg/Kg	¢	08/16/24 11:53		
Toluene Xvlonos Total	ND		0.11		mg/Kg	¢ ~	08/16/24 11:53		
Xylenes, Total	ND		0.66	0.057	mg/Kg	¢	00/10/24 11:53	08/16/24 23:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	106		79 - 124				08/16/24 11:53	08/16/24 23:39	

Job ID: 590-26366-1

lient Sample ID: GEI 073	3-B4 (13-14	•)				La	b Sample	ID: 590-263	66-12
ate Collected: 08/09/24 11:00		·						Matrix	
ate Received: 08/12/24 09:26								Percent Solid	
Method: SW846 8260D - Volat	tilo Organic	Compour	de by GC/MS	(Contin	ued)				
	-		-	(Contin	ueu)				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		66 - 129				08/16/24 11:53		
Dibromofluoromethane (Surr)	118		80 - 120					08/16/24 23:39	
Toluene-d8 (Surr)	97		80 - 120				08/16/24 11:53	08/16/24 23:39	
Method: NWTPH-Gx - Northw	est - Volatile	Petroleu	m Products ((GC/MS)					
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Gasoline	26		5.5	2.0	mg/Kg	¢	08/16/24 11:53	08/16/24 23:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103	· · · · · · · · · · · · · · · · · · ·	41.5 - 162					08/16/24 23:39	
Method: SW846 8011 - EDB, [Analyte		• • •	· · · · · · · · · · · · · · · · · · ·		Unit		Dropored	Apolyzad	
Analyte 1,2-Dibromoethane (EDB)	ND	Qualifier	RL 0.085	MDL	ug/Kg	— <u>D</u>	Prepared 08/14/24 07:48	Analyzed 08/14/24 22:08	Dil Fa
1,2-Dibromoethane (EDB)	ND		0.065	0.037	ug/Kg	삿	00/14/24 07:40	06/14/24 22:06	
Method: NWTPH-Dx - Northw	est - Semi-V	olatile Per	roleum Produ	ucts (GC)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	5.5	J	10	4.3	mg/Kg	¢	08/16/24 11:14	08/16/24 20:34	
Residual Range Organics (RRO) (C25-C36)	8.7	J	26	5.1	mg/Kg	₽	08/16/24 11:14	08/16/24 20:34	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	91		50 - 150				08/16/24 11:14	08/16/24 20:34	
n-Triacontane-d62	92		50 - 150				08/16/24 11:14	08/16/24 20:34	
Method: SW846 6010D - Meta									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	ND		25		mg/Kg	— <u>–</u>		08/26/24 14:18	1
lient Comple ID: CEL 07							h Comula		
lient Sample ID: GEI 073								ID. EOO 262	CC 4
ate Collected, 00/00/24 44,00						La	in Sample	ID: 590-263	
						La		Matrix	c: Solie
						La			c: Solie
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat	tile Organic		-			La		Matrix	(: Solid Is: 89.(
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte	tile Organic Result	Compoun Qualifier	RL	MDL		D	Prepared	Matrix Percent Solid Analyzed	c: Solid Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane	tile Organic Result		RL 0.13	MDL 0.027	mg/Kg	D	Prepared 08/16/24 11:53	Matrix Percent Solid Analyzed 08/17/24 00:30	c: Solid Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene	tile Organic Result ND ND		RL 0.13 0.025	MDL 0.027 0.013	mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid Analyzed 08/17/24 00:30 08/17/24 00:30	c: Solid Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene	tile Organic Result ND ND ND		RL 0.13 0.025 0.13	MDL 0.027 0.013 0.020	mg/Kg mg/Kg mg/Kg	D * * * *	Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	c: Solic Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene n,p-Xylene	tile Organic Result ND ND ND ND		RL 0.13 0.025 0.13 0.50	MDL 0.027 0.013 0.020 0.036	mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	c: Solid Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether	tile Organic Result ND ND ND ND ND ND		RL 0.13 0.025 0.13 0.50 0.063	MDL 0.027 0.013 0.020 0.036 0.038	mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	c: Solid Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene	tile Organic Result ND ND ND ND ND ND		RL 0.13 0.025 0.13 0.50 0.063 0.25	MDL 0.027 0.013 0.020 0.036 0.038 0.035	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	c: Solid Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene p-Xylene	tile Organic Result ND ND ND ND ND ND ND		RL 0.13 0.025 0.13 0.50 0.063 0.25 0.25	MDL 0.027 0.013 0.020 0.036 0.038 0.035 0.029	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	c: Solid Is: 89.0 Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte I,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene p-Xylene Toluene	tile Organic Result ND ND ND ND ND ND		RL 0.13 0.025 0.13 0.50 0.063 0.25	MDL 0.027 0.013 0.020 0.036 0.035 0.029 0.057	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	c: Solie Is: 89. Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene n,p-Xylene Methyl tert-butyl ether Naphthalene D-Xylene Foluene Kylenes, Total	tile Organic Result ND ND ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.13 0.025 0.13 0.50 0.063 0.25 0.13 0.76	MDL 0.027 0.013 0.020 0.036 0.035 0.029 0.057	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	(: Solid Is: 89. Dil Fa
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene n,p-Xylene Methyl tert-butyl ether Naphthalene p-Xylene Toluene Kylenes, Total Surrogate	tile Organic Result ND ND ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.13 0.025 0.13 0.50 0.063 0.25 0.13 0.76 Limits	MDL 0.027 0.013 0.020 0.036 0.035 0.029 0.057	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	Circle Content of Cont
ate Collected: 08/09/24 14:00 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	tile Organic Result ND ND ND ND ND ND ND ND ND ND 99	Qualifier	RL 0.13 0.025 0.13 0.50 0.063 0.25 0.13 0.76 Limits 79 - 124	MDL 0.027 0.013 0.020 0.036 0.035 0.029 0.057	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 Prepared 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	(: Solid Is: 89.(
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene bo-Xylene Toluene Xylenes, Total Surrogate	tile Organic Result ND ND ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.13 0.025 0.13 0.50 0.063 0.25 0.13 0.76 Limits	MDL 0.027 0.013 0.020 0.036 0.035 0.029 0.057	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 08/16/24 11:53 08/16/24 11:53	Matrix Percent Solid 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30 08/17/24 00:30	Circle Content of Cont

n-Triacontane-d62

Job ID: 590-26366-1

5 6

1

Matrix: Solid

Percent Solids: 89.6

Lab Sample ID: 590-26366-14

08/16/24 11:14 08/16/24 20:55

Lab Sample ID: 590-26366-15

Client Sample ID: GEI 073-B5 (5-6) Date Collected: 08/09/ Date Received: 08/12/2

Date Collected: 08/09/24 14:00	- (/					-		Matrix	: Solid	
Date Received: 08/12/24 09:26								Percent Solid	s: 89.6	
Method: NWTPH-Gx - Northwe	st - Volatile	e Petroleu	m Products (GC/MS)						ł
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline	ND		6.3	2.3	mg/Kg	\$	08/16/24 11:53	08/17/24 00:30	1	i
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	102		41.5 - 162				08/16/24 11:53	08/17/24 00:30	1	
Method: SW846 8011 - EDB, D	BCP, and 1	,2,3-TCP	(GC)							i
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
1,2-Dibromoethane (EDB)	ND		0.086	0.038	ug/Kg	¢	08/14/24 07:48	08/14/24 22:24	1	Ī
Method: NWTPH-Dx - Northwe	st - Semi-V	olatile Pe	troleum Prod	ucts (G	C)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics (DRO)	6.6	J	11	4.5	mg/Kg	¢	08/16/24 11:14	08/16/24 20:55	1	
(C10-C25)										
Residual Range Organics (RRO)	35		27	5.4	mg/Kg	¢	08/16/24 11:14	08/16/24 20:55	1	
(C25-C36)										
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
o-Terphenyl	92		50 - 150				08/16/24 11:14	08/16/24 20:55	1	

	Method:	SW846	6010D -	Metals	(ICP)	
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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	23	11 mg/Kg	¢	08/23/24 11:16	08/26/24 14:22	10

50 - 150

94

Client Sample ID: GEI 073-B5 (10-11) Date Collected: 08/09/24 14:30

Date Received: 08/12/24 09:26

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.11	0.024	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
Benzene	ND		0.022	0.011	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
Ethylbenzene	ND		0.11	0.018	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
m,p-Xylene	ND		0.44	0.032	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
Methyl tert-butyl ether	ND		0.056	0.033	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
Naphthalene	ND		0.22	0.031	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
o-Xylene	ND		0.22	0.026	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
Toluene	ND		0.11	0.050	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
Xylenes, Total	ND		0.67	0.057	mg/Kg	☆	08/16/24 11:53	08/17/24 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		79 - 124				08/16/24 11:53	08/17/24 00:55	1
4-Bromofluorobenzene (Surr)	105		66 - 129				08/16/24 11:53	08/17/24 00:55	1

Toluene-d8 (Surr)	98	80 - 120	08/16/24 11:53 08/17/24 00:55 1	1
Dibromofluoromethane (Surr)	107	80 - 120	08/16/24 11:53 08/17/24 00:55 1	1
4-Bromofluorobenzene (Surr)	105	66 - 129	08/16/24 11:53 08/17/24 00:55 1	1
1,2-Dichloroethane-d4 (Surr)	97	79-124	08/10/24 11:53 08/17/24 00:55 1	1

Method: NWTPH-Gx - North	west - Volatile	e Petroleu	m Products (GC/MS)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.6	2.0	mg/Kg	¢	08/16/24 11:53	08/17/24 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		41.5 - 162				08/16/24 11:53	08/17/24 00:55	1

ate Collected: 08/09/24 14:30	8-B5 (10-11	7				Ld	an Sample	ID: 590-263 Matrix	
ate Received: 08/12/24 09:26								Percent Solid	
Method: SW846 8011 - EDB, D	BCP and 1	2 3-TCP (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
1,2-Dibromoethane (EDB)	ND		0.084		ug/Kg		08/14/24 07:48		
.,									
Method: NWTPH-Dx - Northw	est - Semi-V	olatile Pet	roleum Prod	ucts (GC)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Diesel Range Organics (DRO)	6.7	J	11	4.5	mg/Kg	☆	08/16/24 11:14	08/16/24 21:17	
(C10-C25)			07	5.0			00/40/04 44 44	00/40/04 04 47	
Residual Range Organics (RRO) (C25-C36)	11	J	27	5.3	mg/Kg	¢	08/16/24 11:14	08/16/24 21:17	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil
p-Terphenyl	93		50 - 150				<u> </u>	08/16/24 21:17	
n-Triacontane-d62	95		50 - 150					08/16/24 21:17	
Method: SW846 6010D - Meta	ls (ICP)								
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil
ead	ND		23	11	mg/Kg	¢	08/23/24 11:16	08/26/24 14:26	
ato Rocaivad: 02/12/2/ 00:26								Percent Solid	ls: 9
Method: SW846 8260D - Volat	-	-	-		11	P	Drenered	Analyzad	Dill
Method: SW846 8260D - Volat Analyte	Result	Compoun Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane	Result ND	-	RL 0.076	MDL 0.017	mg/Kg	☆	08/16/24 11:53	08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene	Result ND ND	-	RL 0.076 0.015	MDL 0.017 0.0076	mg/Kg mg/Kg	\$	08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil
ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m p-Xvlene	Result ND ND ND	-	RL 0.076 0.015 0.076	MDL 0.017 0.0076 0.012	mg/Kg mg/Kg mg/Kg	÷	08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene	Result ND ND ND ND	-	RL 0.076 0.015 0.076 0.30	MDL 0.017 0.0076 0.012 0.022	mg/Kg mg/Kg mg/Kg mg/Kg	* * * *	08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether	Result ND ND ND ND ND	-	RL 0.076 0.015 0.076 0.30 0.038	MDL 0.017 0.0076 0.012 0.022 0.023	mg/Kg mg/Kg mg/Kg mg/Kg	÷	08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene	Result ND ND ND ND ND ND	-	RL 0.076 0.015 0.076 0.30 0.038 0.15	MDL 0.017 0.0076 0.012 0.022 0.023 0.021	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene o-Xylene	Result ND ND ND ND ND ND ND	-	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.15	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene b-Xylene Toluene	Result ND ND ND ND ND ND	-	RL 0.076 0.015 0.076 0.30 0.038 0.15	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017 0.034	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene b-Xylene Toluene Xylenes, Total	Result ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.15 0.076	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017 0.034	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	
Method: SW846 8260D - Volat Analyte I,2-Dichloroethane Benzene Ethylbenzene n,p-Xylene Methyl tert-butyl ether Naphthalene D-Xylene Foluene Kylenes, Total	Result ND ND ND ND ND ND ND ND	Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.15 0.076 0.45	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017 0.034	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr)	Result ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.15 0.076 0.45 Limits	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017 0.034	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 08/16/24 11:53 Prepared 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene Xylene Toluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	Result ND ND ND ND ND ND ND ND ND ND ND ND ND	Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.15 0.076 0.45 Limits 79 - 124	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017 0.034	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22 08/19/24 13:22	
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene D-Xylene Foluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	Result ND 101	Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.12 0.12 12 12	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017 0.034	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene b-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr)	Result ND 101 110 113 97	Qualifier Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.015 0.038 0.15 0.15 0.076 0.45 Limits 79 - 124 66 - 129 80 - 120 80 - 120	MDL 0.017 0.0076 0.022 0.023 0.021 0.017 0.034 0.039	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene Methyl tert-butyl ether Naphthalene D-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northw	Result ND %Recovery 101 113 97 vest - Volatile	Qualifier Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.076 0.45 Limits 79 - 124 66 - 129 80 - 120 80 - 120 m Products	MDL 0.017 0.0076 0.012 0.022 0.023 0.021 0.017 0.034 0.039 GC/MS)	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene b-Xylene Toluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northw Analyte	Result ND %Recovery 101 113 97 rest - Volatile Result	Qualifier Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.15 0.15 0.15 0.076 0.45 Limits 79 - 124 66 - 129 80 - 120 80 - 120 m Products RL	MDL 0.017 0.0076 0.022 0.023 0.021 0.017 0.034 0.039 GC/MS) MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene bo-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northw Analyte	Result ND %Recovery 101 113 97 vest - Volatile	Qualifier Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.076 0.45 Limits 79 - 124 66 - 129 80 - 120 80 - 120 m Products	MDL 0.017 0.0076 0.022 0.023 0.021 0.017 0.034 0.039 GC/MS) MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene D-Xylene Toluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) A-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northw Analyte Basoline	Result ND %Recovery 101 113 97 rest - Volatile Result	Qualifier Qualifier Petroleur Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.15 0.15 0.15 0.076 0.45 Limits 79 - 124 66 - 129 80 - 120 80 - 120 m Products RL	MDL 0.017 0.0076 0.022 0.023 0.021 0.017 0.034 0.039 GC/MS) MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil I Dil I Dil I Dil I
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene p-Xylene Toluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northw Analyte Gasoline Surrogate	Result ND %Recovery 101 113 97 rest - Volatile Result ND	Qualifier Qualifier Petroleur Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.076 0.45 Limits 79 - 124 66 - 129 80 - 120 m Products RL 3.8	MDL 0.017 0.0076 0.022 0.023 0.021 0.017 0.034 0.039 GC/MS) MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 Prepared 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil I
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene Methyl tert-butyl ether Naphthalene p-Xylene Foluene Kylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - Northw Analyte Basoline Surrogate 4-Bromofluorobenzene (Surr)	Result ND %Recovery 101 110 113 97 rest - Volatile Result ND %Recovery 105	Qualifier Qualifier Petroleun Qualifier Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.076 0.45 Limits 3.8 Limits 41.5 - 162	MDL 0.017 0.0076 0.022 0.023 0.021 0.017 0.034 0.039 GC/MS) MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		08/16/24 11:53 08/16/24 11:53 Prepared 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil I
Method: SW846 8260D - Volat Analyte 1,2-Dichloroethane Benzene Ethylbenzene m,p-Xylene	Result ND %Recovery 101 110 113 97 Yest - Volatile Result ND %Recovery 105 DBCP, and 1	Qualifier Qualifier Petroleun Qualifier Qualifier	RL 0.076 0.015 0.076 0.30 0.038 0.15 0.076 0.45 Limits 3.8 Limits 41.5 - 162	MDL 0.017 0.0076 0.022 0.023 0.021 0.017 0.034 0.039 GC/MS) MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Unit mg/Kg		08/16/24 11:53 08/16/24 11:53 Prepared 08/16/24 11:53	08/19/24 13:22 08/19/24 13:22	Dil I

Client Sample Results

Eurofins Spokane

9/3/2024 (Rev. 1)

Job ID: 590-26366-1

5 6 7

Client: GeoEngineers Inc Project/Site: Roy Farms/0504-213-00

RL

10

25

RL

23

Limits

50 - 150

50 - 150

MDL Unit

4.2 mg/Kg

5.0 mg/Kg

MDL Unit

11 mg/Kg

D

Prepared

08/16/24 11:14 08/16/24 22:00

08/16/24 11:14 08/16/24 22:00

x 08/23/24 11:16 08/26/24 14:31

Diesel Range Organics (DRO)

Residual Range Organics (RRO)

Analyte

(C10-C25)

(C25-C36)Surrogate

o-Terphenyl

Analyte

(C25-C36)

Lead

n-Triacontane-d62

Client Sample ID: GEI 073-B6 (8-9) Date Collected: 08/09/24 17:30 Date Received: 08/12/24 09:26

Method: SW846 6010D - Metals (ICP)

Client Sample ID: GEI 073-DUP

Date Collected: 08/09/24 07:30

Date Received: 08/12/24 09:26

Job	١D·	590-26366-7
000	ID.	JJJU-ZUJUU-

Analyzed

	Job ID: 590-26366-1								
	66-18 : Solid	ID: 590-263 Matrix	ab Sample	La					
	s: 95.0	Percent Solid	I						
5	Dil Fac	Analyzed	Prepared	D					
	1	08/16/24 22:00	08/16/24 11:14	₽					
6	1	08/16/24 22:00	08/16/24 11:14	¢					
	Dil Fac	Analyzed	Prepared						

1

1

Dil Fac

10

Lab Sample ID: 590-26366-20 Matrix: Solid Percent Solids: 87.8

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Result Qualifier

5.2 J

6.6 J

%Recovery Qualifier

95

99

ND

Result Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.086	0.019	mg/Kg	<u></u>	08/16/24 11:53	08/19/24 13:47	1
Benzene	ND		0.017	0.0086	mg/Kg	☆	08/16/24 11:53	08/19/24 13:47	1
Ethylbenzene	ND		0.086	0.014	mg/Kg	¢	08/16/24 11:53	08/19/24 13:47	1
m,p-Xylene	ND		0.34	0.025	mg/Kg	¢	08/16/24 11:53	08/19/24 13:47	1
Methyl tert-butyl ether	ND		0.043	0.026	mg/Kg	¢	08/16/24 11:53	08/19/24 13:47	1
Naphthalene	ND		0.17	0.024	mg/Kg	¢	08/16/24 11:53	08/19/24 13:47	1
o-Xylene	ND		0.17	0.020	mg/Kg	¢	08/16/24 11:53	08/19/24 13:47	1
Toluene	ND		0.086	0.039	mg/Kg	¢	08/16/24 11:53	08/19/24 13:47	1
Xylenes, Total	ND		0.52	0.044	mg/Kg	☆	08/16/24 11:53	08/19/24 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		79 - 124				08/16/24 11:53	08/19/24 13:47	1

Toluene-d8 (Surr)	98	80 - 120	08/16/24 11:53 08/19/24 13:47	1
Dibromofluoromethane (Surr)	104	80 - 120	08/16/24 11:53 08/19/24 13:47	1
4-Bromofluorobenzene (Surr)	108	66 - 129	08/16/24 11:53 08/19/24 13:47	1
	50	10=124	00,10,2111.00 00,10,2110.11	'

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.3	1.5	mg/Kg	¢.	08/16/24 11:53	08/17/24 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		41.5 - 162				08/16/24 11:53	08/17/24 01:46	1
	DBCP and 1	2.3-TCP	(6C)						
Analyte	· · · · · · · · · · · · · · · · · · ·	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.087	0.038	ug/Kg	¢	08/14/24 07:48	08/14/24 23:14	1
 Method: NWTPH-Dx - Northw Analyte		Olatile Pe Qualifier	troleum Prod RL		C) Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	8.2	J	11	4.6	mg/Kg	₽	08/16/24 11:14	08/16/24 22:22	1
Residual Range Organics (RRO)	49		27	5.5	mg/Kg	¢	08/16/24 11:14	08/16/24 22:22	1

Client Sample Results

Client: GeoEngineers Inc Project/Site: Roy Farms/0504-213-00 Job ID: 590-26366-1

Client Sample ID: GEI	073-DUP					La	ab Sample	ID: 590-263	866-20
ate Collected: 08/09/24 0	7:30							Matrix	c: Solid
ate Received: 08/12/24 09	9:26							Percent Solid	ls: 87.8
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				08/16/24 11:14	08/16/24 22:22	1
n-Triacontane-d62	106		50 - 150				08/16/24 11:14	08/16/24 22:22	1
Method: SW846 6010D - I	Metals (ICP)								
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		24	12	mg/Kg	<u></u>	08/23/24 11:16	08/26/24 14:35	10
lient Sample ID: GEI	073-COMP					La	ab Sample	ID: 590-263	866-21
ate Collected: 08/09/24 0									c: Solic
ate Received: 08/12/24 09								Percent Solid	
Method: SW846 6010D - I	Metals (ICP)								
Analyte	Result (Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Arsenic	ND		9.9	3.9	mg/Kg	☆	08/23/24 11:16	08/26/24 14:39	10
Barium	89		9.9	2.7	mg/Kg	¢	08/23/24 11:16	08/26/24 18:10	10
Cadmium	ND		7.9	0.47	mg/Kg	₿	08/23/24 11:16	08/26/24 14:39	1
Chromium	7.6	J	9.9	1.4	mg/Kg	☆	08/23/24 11:16	08/26/24 18:10	10
Lead	ND		24	12	mg/Kg	☆	08/23/24 11:16	08/26/24 14:39	1
Selenium	ND		40	24	mg/Kg	☆	08/23/24 11:16	08/26/24 14:39	1
Silver	ND *	*+	9.9	2.3	mg/Kg	☆	08/23/24 11:16	08/26/24 18:10	1
Method: SW846 7471B - I	Mercury (CVAA)								
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Hg	38 .	J	39	9.6	ug/Kg	¢	08/13/24 11:41	08/14/24 15:56	
lient Sample ID: GEI	073-B1-080824	4				La	ab Sample	ID: 590-263	366-22
ate Collected: 08/09/24 1 ate Received: 08/12/24 09								Matrix	: Water
Method: SW846 8260D - \ Analyte	Volatile Organic C Result (as by GC/MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dichloroethane		Quanner	<u> </u>	0.31			Fiepareu	08/16/24 17:37	
Benzene	0.14		0.40	0.093	-			08/16/24 17:37	
Ethylbenzene	ND	•	1.0					08/16/24 17:37	
	ND		2.0		ug/L ug/L			08/16/24 17:37	
			2.0		-				
m,p-Xylene			1 0	0.16	ua/l			08/16/2/ 17.27	
n,p-Xylene Methyl tert-butyl ether	ND		1.0 1.0	0.16	-			08/16/24 17:37	
m,p-Xylene Methyl tert-butyl ether p-Xylene	ND ND		1.0	0.16	ug/L			08/16/24 17:37	
m,p-Xylene Methyl tert-butyl ether o-Xylene Naphthalene Toluene	ND			0.16 0.63	-				

Surrogate	%Recovery Qua	alifier Limits	Prepared An	alyzed Di	il Fac
1,2-Dichloroethane-d4 (Surr)	111	80 - 120	08/16	/24 17:37	1
4-Bromofluorobenzene (Surr)	108	76 - 120	08/16	/24 17:37	1
Dibromofluoromethane (Surr)	115	80 - 123	08/16	/24 17:37	1
Toluene-d8 (Surr)	101	80 - 120	08/16	/24 17:37	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			08/16/24 17:37	1

Client Sample ID: GEI 073-B1-080824 Date Collected: 08/09/24 16:30

Date Received: 08/12/24 09:26

	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		68.7 - 141					08/16/24 17:37	
Method: SW846 8011 - EDB,	DBCP and 1	2 3.TCP							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dibromoethane (EDB)	ND		0.010	0.0025			08/16/24 15:37		
Method: NWTPH-Dx - Northy				•		_	Durand	A	D'I F.
Analyte		Qualifier			Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		08/15/24 14:22	08/17/24 04:49	
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		08/15/24 14:22	08/17/24 04:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
p-Terphenyl	85		50 - 150				08/15/24 14:22	08/17/24 04:49	
n-Triacontane-d62	86		50 - 150				08/15/24 14:22	08/17/24 04:49	
Analyte Diesel Range Organics (DRO)		Qualifier	RL 	0.11	mg/L	<u> </u>	Prepared 08/15/24 14:22	Analyzed 08/17/24 08:24	
Method: NWTPH-Dx - Semi-N Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	Result	Qualifier		0.11			08/15/24 14:22		
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	ND		0.23	0.11	mg/L		08/15/24 14:22	08/17/24 08:24 08/17/24 08:24	
Analyte Diesel Range Organics (DRO) C10-C25) Residual Range Organics (RRO) C25-C36) Surrogate	_ ResultND		0.23	0.11	mg/L		08/15/24 14:22 08/15/24 14:22	08/17/24 08:24 08/17/24 08:24 Analyzed	
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	Result ND ND		0.23 0.39 <i>Limits</i>	0.11	mg/L		08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22	08/17/24 08:24 08/17/24 08:24 Analyzed	Dil Fa
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62	ResultNDND	Qualifier	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150	0.11	mg/L		08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22	08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/17/24 08:24	
Analyte Diesel Range Organics (DRO) C10-C25) Residual Range Organics (RRO) C25-C36) Surrogate D-Terphenyl D-Triacontane-d62 Method: SW846 6010D - Met	Result ND ND %Recovery 88 91 als (ICP) - To	Qualifier	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150	0.11	mg/L	<u>D</u>	08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22	08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/17/24 08:24	Dil Fa
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Met Analyte	Result ND ND %Recovery 88 91 als (ICP) - To	Qualifier tal Recove	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150 erable	0.11	mg/L mg/L Unit		08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22 08/15/24 14:22	08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/17/24 08:24 08/17/24 08:24	Dil Fa
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl	Result ND ND %Recovery 88 91 als (ICP) - To Result ND	Qualifier tal Recove Qualifier	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150 erable RL	0.11 0.12 MDL	mg/L mg/L Unit		08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22 08/15/24 14:22 Prepared	08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/17/24 08:24 08/17/24 08:24 Analyzed	Dil Fa
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Met Analyte Lead	Result ND ND ND %Recovery 88 91 als (ICP) - To Result ND	Qualifier tal Recove Qualifier	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150 erable RL	0.11 0.12 MDL 0.0051	mg/L mg/L Unit		08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22 08/15/24 14:22 Prepared	08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/17/24 08:24 08/17/24 08:24 Analyzed	
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Met Analyte Lead Method: SW846 6010D - Met	Result ND ND ND %Recovery 88 91 als (ICP) - To Result ND	Qualifier tal Recove Qualifier ssolved	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150 erable RL 0.060	0.11 0.12 MDL 0.0051	mg/L mg/L Unit mg/L Unit	D	08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22 08/15/24 14:22 08/15/24 14:22 Prepared 08/23/24 11:33	08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/23/24 19:13	Dil Fa
Analyte Diesel Range Organics (DRO) C10-C25) Residual Range Organics (RRO) C25-C36) Surrogate p-Terphenyl n-Triacontane-d62 Method: SW846 6010D - Met Analyte Lead Method: SW846 6010D - Met Analyte	Result ND ND %Recovery 88 91 als (ICP) - To Result ND als (ICP) - Dis Result	Qualifier tal Recove Qualifier ssolved	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150 erable RL 0.060	0.11 0.12 MDL 0.0051 MDL	mg/L mg/L Unit mg/L	D	08/15/24 14:22 08/15/24 14:22 08/15/24 14:22 08/15/24 14:22 08/15/24 14:22 08/23/24 11:33 Prepared 08/23/24 11:37	08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/17/24 08:24 08/17/24 08:24 <u>Analyzed</u> 08/23/24 19:13 <u>Analyzed</u>	Dil F
Analyte Diesel Range Organics (DRO) C10-C25) Residual Range Organics (RRO) C25-C36) Surrogate D-Terphenyl D-Triacontane-d62 Method: SW846 6010D - Met Analyte Lead Method: SW846 6010D - Met Analyte Lead	Result ND ND %Recovery 88 91 als (ICP) - To Result ND als (ICP) - Dis Result ND ND	Qualifier tal Recove Qualifier ssolved Qualifier	0.23 0.39 <u>Limits</u> 50 - 150 50 - 150 erable RL 0.060 RL 0.060	0.11 0.12 MDL 0.0051 MDL 0.0051	mg/L mg/L Unit mg/L	D	08/15/24 14:22 08/15/24 14:22 Prepared 08/15/24 14:22 08/15/24 14:22 Prepared 08/23/24 11:33 Prepared 08/23/24 11:37 08/23/24 11:37	O8/17/24 08:24 08/17/24 08:24 O8/17/24 08:24 08/17/24 08:24 08/17/24 08:24 08/17/24 08:24 08/23/24 19:13 Analyzed 08/23/24 17:04	Dil Fa

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/16/24 18:19	1
Benzene	0.26	J	0.40	0.093	ug/L			08/16/24 18:19	1
Ethylbenzene	0.49	J	1.0	0.20	ug/L			08/16/24 18:19	1
m,p-Xylene	0.43	J	2.0	0.28	ug/L			08/16/24 18:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/16/24 18:19	1
o-Xylene	0.17	J	1.0	0.16	ug/L			08/16/24 18:19	1
Naphthalene	18		2.0	0.63	ug/L			08/16/24 18:19	1
Toluene	0.42	J	1.0	0.31	ug/L			08/16/24 18:19	1
Xylenes, Total	0.60	J	3.0	0.44	ug/L			08/16/24 18:19	1

Eurofins Spokane

Matrix: Water

Lab Sample ID: 590-26366-22

Client Sample ID: GEI 073-B3-080924 Date Collected: 08/09/24 10:40 Date Received: 08/12/24 09:26

Lab Sample ID: 590-26366-23 Matrix: Water

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	109		80 - 120					08/16/24 18:19	
4-Bromofluorobenzene (Surr)	95		76 - 120					08/16/24 18:19	
Dibromofluoromethane (Surr)	115		80 - 123					08/16/24 18:19	
Toluene-d8 (Surr)	96		80 - 120					08/16/24 18:19	
Method: NWTPH-Gx - Northw	vest - Volatile	e Petroleu	m Products (
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Gasoline	390		150	54	ug/L			08/16/24 18:19	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	95		68.7 - 141					08/16/24 18:19	
Method: SW846 8011 - EDB, [Analyte		,2,3-1CP (Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,2-Dibromoethane (EDB)	ND		0.010	0.0025			•	08/17/24 00:21	
					-				
Method: NWTPH-Dx - Northw				•	C) Unit	Б	Proparad	Analyzod	
Analyte		Qualifier				<u> </u>	Prepared	Analyzed 08/17/24 05:11	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	9.9		0.23	0.10	mg/L		08/15/24 14:22	08/17/24 05:11	
Residual Range Organics (RRO) (C25-C36)	0.24	J	0.38	0.11	mg/L		08/15/24 14:22	08/17/24 05:11	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	109		50 - 150				08/15/24 14:22	08/17/24 05:11	
n-Triacontane-d62	90		50 - 150				08/15/24 14:22	08/17/24 05:11	
Method: NWTPH-Dx - Semi-Vo Analyte	Result	Qualifier	RL	MDL	Unit	iel Cle	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	11		0.23	0.10	mg/L		08/15/24 14:22	08/17/24 08:46	
Residual Range Organics (RRO) (C25-C36)	0.23	J	0.38	0.11	mg/L		08/15/24 14:22	08/17/24 08:46	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
p-Terphenyl	117		50 - 150				08/15/24 14:22	08/17/24 08:46	
n-Triacontane-d62	97		50 - 150				08/15/24 14:22	08/17/24 08:46	
Method: SW846 6010D - Meta	ls (ICP) - To	tal Recov	erable						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
_ead	ND		0.060	0.0051	mg/L			08/23/24 19:17	
Method: SW846 6010D - Meta	ls (ICP) - Di	ssolved							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	ND		0.060	0.0051				08/23/24 17:28	
Lead	ND		0.060	0.0051	-			08/23/24 18:06	
	R-B4-08092	24				La	b Sample	ID: 590-263	866-2 : Wate
								IVIALITA.	
ate Collected: 08/09/24 12:50								WathX	
Client Sample ID: GEI 073 ate Collected: 08/09/24 12:50 ate Received: 08/12/24 09:26 Method: SW846 8260D - Volat	tile Organic								
ate Collected: 08/09/24 12:50 ate Received: 08/12/24 09:26	tile Organic	Compoun Qualifier	ds by GC/MS 	MDL	Unit ug/L	D	Prepared	Analyzed 08/16/24 18:40	Dil Fa

Client Sample ID: GEI 073-B4-080924 Date Collected: 08/09/24 12:50 Date Received: 08/12/24 09:26

Lab Sample ID: 590-26366-24

Matrix: Water

5 6

Method: SW846 8260D - Vola Analyte	-	Qualifier		(Conti MDL		D	Prepared	Analyzed	Dil Fac
Benzene	ND	Quaimer	0.40	0.093			Flepaleu	08/16/24 18:40	1
	ND		1.0	0.093	-			08/16/24 18:40	
Ethylbenzene					•				1
m,p-Xylene	ND		2.0	0.28	-			08/16/24 18:40	1
Methyl tert-butyl ether	ND		1.0	0.16	0			08/16/24 18:40	1
o-Xylene	ND		1.0	0.16				08/16/24 18:40	1
Naphthalene	0.72	J	2.0	0.63	-			08/16/24 18:40	1
Toluene	ND		1.0	0.31	0			08/16/24 18:40	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/16/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 120					08/16/24 18:40	1
4-Bromofluorobenzene (Surr)	99		76 - 120					08/16/24 18:40	1
Dibromofluoromethane (Surr)	123		80 - 123					08/16/24 18:40	1
Toluene-d8 (Surr)	94		80 - 120					08/16/24 18:40	1
Method: NWTPH-Gx - Northy	west - Volatile	e Petroleur	n Products (C	GC/MS)					
Analyte		Qualifier	RL	MDĹ	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	92	J	150	54	ug/L			08/16/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		68.7 - 141				· · · · ·	08/16/24 18:40	1
Mathadi SW946 9044 EDD	DBCD and 1	2 2 TCD //							
Method: SW846 8011 - EDB, Analyte		Qualifier	RL	MDL	Unit	D	Droporod	Analyzad	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025			Prepared 08/16/24 15:37	Analyzed 08/17/24 00:38	
					-		00/10/24 13:37	00/17/24 00.30	I
Method: NWTPH-Dx - Northy				•	•		Duo u o uo d	Amahamad	
Analyte		Qualifier		MDL		D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.13	J	0.23		mg/L		08/15/24 14:22	08/17/24 05:32	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		08/15/24 14:22	08/17/24 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	92		50 - 150				08/15/24 14:22	08/17/24 05:32	1
n-Triacontane-d62	94		50 - 150				08/15/24 14:22	08/17/24 05:32	1
Method: NWTPH-Dx - Semi-\	Volatile Petro	leum Prod	ucts by NWT	PH with	Silica G	el Cle	anun		
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		0.23		mg/L		08/15/24 14:22		1
(C10-C25)	.15		0.20	01					
Residual Range Organics (RRO)	ND		0.38	0.11	mg/L		08/15/24 14:22	08/17/24 09:07	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				08/15/24 14:22	08/17/24 09:07	1
n-Triacontane-d62	96		50 - 150				08/15/24 14:22	08/17/24 09:07	î
Method: SW846 6010D - Met	als (ICP) - To	tal Recove	rable						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quanner	NL.		Unit	U	Flepaleu	Analyzeu	Dirrac

Client Sample ID: GEI 073-B4-080924 Date Collected: 08/09/24 12:50 Date Received: 08/12/24 09:26

Method: SW846 6010D - Metals (ICP) - Dissolved										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	ND		0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 17:32	1
	Lead	ND		0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 18:10	1

Client Sample ID: GEI 073-B5-080924 Date Collected: 08/09/24 17:00 Date Received: 08/12/24 09:26

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.60	J	1.0	0.31	ug/L			08/16/24 19:01	1
Benzene	0.57		0.40	0.093	ug/L			08/16/24 19:01	1
Ethylbenzene	110		10	2.0	ug/L			08/19/24 18:07	10
m,p-Xylene	150		20	2.8	ug/L			08/19/24 18:07	10
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/16/24 19:01	1
o-Xylene	3.8		1.0	0.16	ug/L			08/16/24 19:01	1
Naphthalene	83		2.0	0.63	ug/L			08/16/24 19:01	1
Toluene	1.0		1.0	0.31	ug/L			08/16/24 19:01	1
Xylenes, Total	150		30	4.4	ug/L			08/19/24 18:07	10

Surrogate	%Recovery Qua	alifier Limits	Prepared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89	80 - 120	08/16/24 19:01	1
1,2-Dichloroethane-d4 (Surr)	96	80 - 120	08/19/24 18:07	10
4-Bromofluorobenzene (Surr)	98	76 - 120	08/16/24 19:01	1
4-Bromofluorobenzene (Surr)	98	76 - 120	08/19/24 18:07	10
Dibromofluoromethane (Surr)	72 S1-	80 - 123	08/16/24 19:01	1
Dibromofluoromethane (Surr)	90	80 - 123	08/19/24 18:07	10
Toluene-d8 (Surr)	103	80 - 120	08/16/24 19:01	1
Toluene-d8 (Surr)	96	80 - 120	08/19/24 18:07	10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9200		1500	540	ug/L			08/19/24 18:07	10
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 98	Qualifier	Limits 68.7 - 141				Prepared	Analyzed 08/19/24 18:07	Dil Fac 10

Method: SW846 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND	*1	0.010	0.0025	ug/L		08/16/24 15:37	08/17/24 00:54	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	3.0		0.23	0.11	mg/L		08/15/24 14:22	08/17/24 05:54	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.12	mg/L		08/15/24 14:22	08/17/24 05:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				08/15/24 14:22	08/17/24 05:54	1

50 - 150

n-Triacontane-d62

Job ID: 590-26366-1

Matrix: Water

Matrix: Water

Lab Sample ID: 590-26366-24

Lab Sample ID: 590-26366-25

6

1

08/15/24 14:22 08/17/24 05:54

9/3/2024 (Rev. 1)

Client: GeoEngineers Inc Project/Site: Roy Farms/0504-213-00

Client Sample ID: GEI 073-B5-080924 Date Collected: 08/09/24 17:00 Date Received: 08/12/24 09:26

Job ID: 590-26366-1

Lab Sample ID: 590-26366-25 Matrix: Water

x: Water

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Method: NWTPH-Dx - Semi-	Volatile Petro	leum Proc	lucts by NW	I PH With	Silica G	Sel Cle	anup		
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) C10-C25)	2.8		0.23	0.11	mg/L		08/15/24 14:22	08/17/24 09:29	
Residual Range Organics (RRO) C25-C36)	ND		0.38	0.12	mg/L		08/15/24 14:22	08/17/24 09:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
p-Terphenyl	85		50 - 150				08/15/24 14:22	08/17/24 09:29	
n-Triacontane-d62	85		50 - 150				08/15/24 14:22	08/17/24 09:29	
Method: SW846 6010D - Me	tals (ICP) - To	tal Recov	erable						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
ead	ND		0.060	0.0051	mg/L		08/23/24 11:33	08/23/24 19:38	
Method: SW846 6010D - Me	tals (ICP) - Dis	solved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
ead	ND		0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 17:49	
ead	ND		0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 18:14	
lient Sample ID: GEI 07 ate Collected: 08/09/24 19:0 ate Received: 08/12/24 09:2	0 6							ID: 590-263 Matrix	
Method: SW846 8260D - Vol Analyte	-	Qualifier	as by GC/MS		Unit	D	Prepared	Analyzed	Dil Fa
,2-Dichloroethane	ND		1.0	0.31	ug/L			08/16/24 19:22	
Benzene	ND		0.40	0.093	-			08/16/24 19:22	
Ethylbenzene	0.33	J	1.0	0.20	ug/L			08/16/24 19:22	
n,p-Xylene	0.48	J	2.0	0.28	ug/L			08/16/24 19:22	
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/16/24 19:22	
-Xylene	ND		1.0	0.16	ug/L			08/16/24 19:22	
Naphthalene	1.3	J	2.0	0.63	ug/L			08/16/24 19:22	
Toluene	ND		1.0	0.31	ug/L			08/16/24 19:22	
Kylenes, Total	0.48	J	3.0	0.44	ug/L			08/16/24 19:22	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
,2-Dichloroethane-d4 (Surr)	104		80 - 120					08/16/24 19:22	
-Bromofluorobenzene (Surr)	111		76 - 120					08/16/24 19:22	
	105		80 - 123					08/16/24 19:22	
Dibromofluoromethane (Surr)	105							08/16/24 19:22	
	96		80 - 120						
^{roluene-d8} (Surr) Method: NWTPH-Gx - North	96 west - Volatile		m Products (· · · · · · · · · · · · · · · · · · ·					
Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte	96 west - Volatile Result	Petroleu Qualifier	m Products (RL	MDĹ	Unit	D	Prepared	Analyzed	Dil Fa
Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte	96 west - Volatile		m Products (MDĹ	Unit ug/L	<u>D</u>	Prepared	Analyzed 08/16/24 19:22	
Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte Gasoline Surrogate	96 west - Volatile Result ND %Recovery	Qualifier	m Products (RL 150	MDĹ		<u>D</u>	Prepared Prepared	08/16/24 19:22 Analyzed	
Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr)	96 west - Volatile Result ND	Qualifier	m Products (RL 150	MDĹ		<u>D</u>		08/16/24 19:22	Dil Fa
Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte Gasoline Surrogate	96 west - Volatile Result ND %Recovery 111	Qualifier Qualifier	m Products (MDĹ		<u> </u>		08/16/24 19:22 Analyzed	Dil Fa

Client Sample Results

Job ID: 590-26366-1

Client Sample ID: GEI 073-B6-080924 Date Collected: 08/09/24 19:00 Date Received: 08/12/24 09:26

Lab Sample ID: 590-26366-26 Matrix: Water

08/15/24 14:22 08/17/24 09:51

Lab Sample ID: 590-26366-27

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		08/15/24 14:22	08/17/24 06:15	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		08/15/24 14:22	08/17/24 06:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150				08/15/24 14:22	08/17/24 06:15	1
n-Triacontane-d62	77		50 - 150				08/15/24 14.22	08/17/24 06:15	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

81

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.10	mg/L		08/15/24 14:22	08/17/24 09:51	1
Residual Range Organics (RRO) (C25-C36)	ND		0.38	0.11	mg/L		08/15/24 14:22	08/17/24 09:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150				08/15/24 14:22	08/17/24 09:51	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	0.060	0.0051	mg/L		08/23/24 11:33	08/23/24 19:42	1

50 - 150

Method: SW846 6010D - Metals	s (ICP) - Dissolved							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 17:53	1
Lead	ND	0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 18:18	1

Client Sample ID: GEI 073-080924DUP Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26

n-Triacontane-d62

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 1,2-Dichloroethane ND 1.0 0.31 ug/L 08/16/24 19:43 1 Benzene 0.54 0.40 0.093 ug/L 08/16/24 19:43 1 Ethylbenzene 110 10 2.0 ug/L 08/19/24 18:28 10 20 2.8 ug/L 08/19/24 18:28 10 m,p-Xylene 130 Methyl tert-butyl ether ND 0.16 ug/L 1.0 08/16/24 19:43 1 0.16 ug/L o-Xylene 3.6 1.0 08/16/24 19:43 1 Naphthalene 2.0 0.63 ug/L 78 08/16/24 19:43 1 Toluene 0.31 ug/L 08/16/24 19:43 1.0 1.0 1 **Xylenes**, Total 140 30 4.4 ug/L 08/19/24 18:28 10

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	l Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		80 - 120	08/16/24 19	:43 1
1,2-Dichloroethane-d4 (Surr)	94		80 - 120	08/19/24 18	:28 10
4-Bromofluorobenzene (Surr)	96		76 - 120	08/16/24 19	:43 1
4-Bromofluorobenzene (Surr)	102		76 - 120	08/19/24 18	:28 10
Dibromofluoromethane (Surr)	73	S1-	80 - 123	08/16/24 19	:43 1
Dibromofluoromethane (Surr)	87		80 - 123	08/19/24 18	:28 10

Eurofins Spokane

Client Sample ID: GEI 073-080924DUP Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26

Job ID: 590-26366-1

Lab Sample	ID:	590-26366-27
		Matrix: Water

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Toluene-d8 (Surr)	105		80 - 120					08/16/24 19:43	
Toluene-d8 (Surr)	93		80 - 120					08/19/24 18:28	1
Method: NWTPH-Gx - Northy	vest - Volatile	Petroleu	m Products ((GC/MS)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline	8100		1500	540	ug/L			08/19/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102		68.7 - 141					08/19/24 18:28	1
Method: SW846 8011 - EDB,	DBCP, and 1	,2,3-TCP ((GC)						
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
1,2-Dibromoethane (EDB)	ND	*1	0.010	0.0025	ug/L		08/16/24 15:37	08/17/24 01:44	
Method: NWTPH-Dx - Northv	vest - Semi-V	olatile Pe		lucts (GC	C)				
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	2.0		0.23	0.11	mg/L		08/15/24 14:22	08/17/24 06:37	
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		08/15/24 14:22	08/17/24 06:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	80		50 - 150				08/15/24 14:22	08/17/24 06:37	
n-Triacontane-d62	79		50 - 150				08/15/24 14:22	08/17/24 06:37	
Method: NWTPH-Dx - Semi-\			-						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	1.7		0.23	0.11	mg/L		08/15/24 14:22	08/17/24 10:12	
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		08/15/24 14:22	08/17/24 10:12	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	74		50 - 150				08/15/24 14:22	08/17/24 10:12	
n-Triacontane-d62	73		50 - 150				08/15/24 14:22	08/17/24 10:12	
Method: SW846 6010D - Met	als (ICP) - Tot	tal Recove	erable						
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Lead	ND		0.060	0.0051	mg/L	-	08/23/24 11:33	08/23/24 19:46	
Method: SW846 6010D - Meta									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Lead	ND		0.060	0.0051	-		08/23/24 11:37	08/23/24 17:57	
Lead	ND		0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 18:23	
lient Sample ID: Trip Bl						La	b Sample	ID: 590-263	66-2
ate Collected: 08/09/24 00:00 ate Received: 08/12/24 09:26								Matrix	: Wate

	volutilo organio	oompound		•					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/16/24 20:04	1
Benzene	ND		0.40	0.093	ug/L			08/16/24 20:04	1

Eurofins Spokane

RL

1.0

2.0

1.0

1.0

MDL Unit

0.20 ug/L

0.28 ug/L

0.16 ug/L

0.16 ug/L

D

Prepared

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

0.28 J

0.40 J

ND

ND

Result Qualifier

Analyte

o-Xylene

Ethylbenzene

Methyl tert-butyl ether

m,p-Xylene

Lab Sample ID: 590-26366-28 Matrix: Water

Analyzed

08/16/24 20:04

08/16/24 20:04

08/16/24 20:04

08/16/24 20:04

Dil Fac 1

1

1

1

0.63 0.31 0.44	ug/L		Prepared	08/16/24 20:04 08/16/24 20:04 08/16/24 20:04 <u>Analyzed</u> 08/16/24 20:04 08/16/24 20:04	1 1 1 Dil Fac
	-		Prepared	08/16/24 20:04 Analyzed 08/16/24 20:04	Dil Fa
0.44	ug/L		Prepared	Analyzed 08/16/24 20:04	Dil Fa
			Prepared	08/16/24 20:04	
					1
				00/16/01 20.01	
				06/10/24 20.04	1
				08/16/24 20:04	
				08/16/24 20:04	
		La			
	Unit	D	Prepared	Analyzed	Dil Fac
0.022	mg/Kg		08/16/24 11:53	08/19/24 14:12	
0.010	mg/Kg		08/16/24 11:53	08/19/24 14:12	
0.016	mg/Kg		08/16/24 11:53	08/19/24 14:12	1
0.029	mg/Kg		08/16/24 11:53	08/19/24 14:12	1
0.030	mg/Kg		08/16/24 11:53	08/19/24 14:12	
0.028	mg/Kg		08/16/24 11:53	08/19/24 14:12	1
0.023	mg/Kg		08/16/24 11:53	08/19/24 14:12	1
0.045	mg/Kg		08/16/24 11:53	08/19/24 14:12	1
0.052	mg/Kg		08/16/24 11:53	08/19/24 14:12	1
			Prepared	Analyzed	Dil Fac
			08/16/24 11:53	08/19/24 14:12	1
			00/10/24 11:00		
				08/19/24 14:12	î
			08/16/24 11:53		1
	MDL 0.022 0.010 0.016 0.029 0.030 0.028 0.023 0.045	MDL Unit 0.022 mg/Kg 0.010 mg/Kg 0.016 mg/Kg 0.029 mg/Kg 0.030 mg/Kg 0.028 mg/Kg 0.023 mg/Kg 0.023 mg/Kg 0.045 mg/Kg 0.052 mg/Kg	MDL Unit D 0.022 mg/Kg mg/Kg 0.010 mg/Kg 0.016 mg/Kg 0.029 mg/Kg 0.030 mg/Kg 0.028 mg/Kg 0.023 mg/Kg 0.024 mg/Kg	MDL Unit D Prepared 0.022 mg/Kg 08/16/24 11:53 0.010 mg/Kg 08/16/24 11:53 0.016 mg/Kg 08/16/24 11:53 0.029 mg/Kg 08/16/24 11:53 0.029 mg/Kg 08/16/24 11:53 0.029 mg/Kg 08/16/24 11:53 0.028 mg/Kg 08/16/24 11:53 0.023 mg/Kg 08/16/24 11:53 0.045 mg/Kg 08/16/24 11:53 0.052 mg/Kg 08/16/24 11:53	MDL 0.022Unit mg/KgD PreparedAnalyzed 08/16/24 11:530.010mg/Kg08/16/24 11:5308/19/24 14:120.010mg/Kg08/16/24 11:5308/19/24 14:120.016mg/Kg08/16/24 11:5308/19/24 14:120.029mg/Kg08/16/24 11:5308/19/24 14:120.030mg/Kg08/16/24 11:5308/19/24 14:120.028mg/Kg08/16/24 11:5308/19/24 14:120.023mg/Kg08/16/24 11:5308/19/24 14:120.045mg/Kg08/16/24 11:5308/19/24 14:120.052mg/Kg08/16/24 11:5308/19/24 14:12

Date Collected: 08/09/24 16:30 Date Received: 08/12/24 09:26

Lead

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 18:27	1
Client Sample ID: GEI	073-B3-080924 (2 micro	on)			La	b Sample	ID: 590-263	66-31
	0.40					-	Matrix	Water
Date Collected: 08/09/24 10	0.70							
Date Collected: 08/09/24 10 Date Received: 08/12/24 09 Method: SW846 6010D - M	9:26							

Eurofins Spokane

08/23/24 11:37 08/23/24 18:43

0.060

0.0051 mg/L

ND

Client: GeoEngineers Inc Project/Site: Roy Farms/0504-213-	00						Job ID: 590-2	6366-1
Client Sample ID: GEI 073-E Date Collected: 08/09/24 12:50 Date Received: 08/12/24 09:26	34-080924 (2 micro	on)			La	b Sample	ID: 590-263 Matrix	
	• •							
Analyte	Result Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Lead	ND	0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 18:48	
Client Sample ID: GEI 073-E Date Collected: 08/09/24 17:50 Date Received: 08/12/24 09:26		La	b Sample	ID: 590-263 Matrix				
Method: SW846 6010D - Metals					_			
Analyte	Result Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	0.060	0.0051	mg/L		08/23/24 11:37	08/23/24 18:52	1
Client Sample ID: GEI 073-E	36-080924 (2 micro	on)			La	b Sample	ID: 590-263	66-34
•	,							
Date Collected: 08/09/24 19:00 Date Received: 08/12/24 09:26							Watrix	Wate
	(ICP) - Dissolved						Watrix	: Water
Date Received: 08/12/24 09:26 Method: SW846 6010D - Metals Analyte	Result Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Date Received: 08/12/24 09:26 Method: SW846 6010D - Metals	• •	RL 0.060	MDL 0.0051		<u>D</u>			
Date Received: 08/12/24 09:26 Method: SW846 6010D - Metals Analyte	Result Qualifier	0.060				08/23/24 11:37	Analyzed 08/23/24 18:56 ID: 590-263	Dil Fac
Date Received: 08/12/24 09:26 Method: SW846 6010D - Metals Analyte Lead	Result Qualifier	0.060				08/23/24 11:37	Analyzed 08/23/24 18:56	Dil Fac
Date Received: 08/12/24 09:26 Method: SW846 6010D - Metals Analyte Lead Client Sample ID: GEI 073-0	Result Qualifier	0.060				08/23/24 11:37	Analyzed 08/23/24 18:56 ID: 590-263	Dil Fac
Date Received: 08/12/24 09:26 Method: SW846 6010D - Metals Analyte Lead Client Sample ID: GEI 073-0 Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26	Result Qualifier ND 080924DUP (2 mic	0.060				08/23/24 11:37	Analyzed 08/23/24 18:56 ID: 590-263	Dil Fac
Date Received: 08/12/24 09:26 Method: SW846 6010D - Metals Analyte Lead Client Sample ID: GEI 073-0 Date Collected: 08/09/24 07:30	Result Qualifier ND 080924DUP (2 mic	0.060		mg/L		08/23/24 11:37	Analyzed 08/23/24 18:56 ID: 590-263	Dil Fac

Client Sample Results

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-48992/1-A Matrix: Solid Analysis Batch: 48993

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.10	0.022	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
Benzene	ND		0.020	0.010	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
Naphthalene	ND		0.20	0.028	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
o-Xylene	ND		0.20	0.023	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
Toluene	ND		0.10	0.045	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
Xylenes, Total	ND		0.60	0.052	mg/Kg		08/16/24 11:53	08/16/24 15:58	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		79 - 124				08/16/24 11:53	08/16/24 15:58	1
4-Bromofluorobenzene (Surr)	105		66 - 129				08/16/24 11:53	08/16/24 15:58	1
Dibromofluoromethane (Surr)	109		80 - 120				08/16/24 11:53	08/16/24 15:58	1
Toluene-d8 (Surr)	100		80 - 120				08/16/24 11:53	08/16/24 15:58	1

Lab Sample ID: LCS 590-48992/2-A Matrix: Solid Analysis Batch: 48993

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2-Dichloroethane	0.500	0.480		mg/Kg		96	77 - 126	
Benzene	0.500	0.510		mg/Kg		102	80 - 128	
Ethylbenzene	0.500	0.535		mg/Kg		107	80 - 127	
m,p-Xylene	0.500	0.544		mg/Kg		109	80 - 131	
Methyl tert-butyl ether	0.500	0.405		mg/Kg		81	69 - 132	
Naphthalene	0.500	0.420		mg/Kg		84	57 _ 131	
o-Xylene	0.500	0.532		mg/Kg		106	78 - 128	
Toluene	0.500	0.519		mg/Kg		104	79 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		79 - 124
4-Bromofluorobenzene (Surr)	99		66 - 129
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	99		80 - 120

ND

ND

ND

Lab Sample ID: MB 590-49026/8 Matrix: Water Analysis Batch: 49026

Analyte

Benzene

Ethylbenzene

m,p-Xylene

Naphthalene

o-Xylene

1,2-Dichloroethane

Methyl tert-butyl ether

MB MB **Result Qualifier** RL MDL Unit D Dil Fac Prepared Analyzed ND 1.0 0.31 ug/L 08/16/24 14:26 1 ND 0.40 0.093 ug/L 08/16/24 14:26 1 ND 1.0 0.20 ug/L 08/16/24 14:26 1 ND 2.0 0.28 ug/L 08/16/24 14:26 1

0.16 ug/L

0.63 ug/L

0.16 ug/L

Eurofins Spokane

08/16/24 14:26

08/16/24 14:26

08/16/24 14:26

Client Sample ID: Method Blank

Prep Type: Total/NA

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 48992

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 48992

1.0

2.0

1.0

9/3/2024 (Rev. 1)

1

1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-49026/8

Client Sample ID: Method Blank Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Matrix: Water Analysis Batch: 49026

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.31	ug/L			08/16/24 14:26	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/16/24 14:26	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120			-		08/16/24 14:26	1
4-Bromofluorobenzene (Surr)	106		76 - 120					08/16/24 14:26	1
Dibromofluoromethane (Surr)	107		80 - 123					08/16/24 14:26	1
Toluene-d8 (Surr)	101		80 - 120					08/16/24 14:26	

Lab Sample ID: LCS 590-49026/6 Matrix: Water Analysis Batch: 49026

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2-Dichloroethane	10.0	10.8		ug/L		108	80 - 120	
Benzene	10.0	10.3		ug/L		103	80 - 120	
Ethylbenzene	10.0	10.1		ug/L		101	80 - 122	
m,p-Xylene	10.0	10.2		ug/L		102	80 - 125	
Methyl tert-butyl ether	10.0	11.6		ug/L		116	68 - 134	
Naphthalene	10.0	10.2		ug/L		102	61 - 140	
o-Xylene	10.0	10.7		ug/L		107	80 - 130	
Toluene	10.0	10.0		ug/L		100	80 - 129	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	98		76 - 120
Dibromofluoromethane (Surr)	99		80 - 123
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 590-49026/1005 Matrix: Water Analysis Batch: 49026

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dichloroethane	10.0	10.9		ug/L		109	80 - 120	1	14
Benzene	10.0	10.8		ug/L		108	80 - 120	4	15
Ethylbenzene	10.0	10.3		ug/L		103	80 - 122	2	35
m,p-Xylene	10.0	10.2		ug/L		102	80 - 125	1	35
Methyl tert-butyl ether	10.0	11.4		ug/L		114	68 - 134	2	18
Naphthalene	10.0	9.77		ug/L		98	61 - 140	4	25
o-Xylene	10.0	10.8		ug/L		108	80 - 130	1	35
Toluene	10.0	10.2		ug/L		102	80 - 129	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	99		76 - 120
Dibromofluoromethane (Surr)	101		80 - 123
Toluene-d8 (Surr)	96		80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS

MB MB

Lab Sample ID: MB 590-49050/10 Matrix: Water

Analysis Batch: 49050

Client Sample ID: Method Blank
Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/19/24 17:25	1
Benzene	ND		0.40	0.093	ug/L			08/19/24 17:25	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/19/24 17:25	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/19/24 17:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/24 17:25	1
Naphthalene	ND		2.0	0.63	ug/L			08/19/24 17:25	1
o-Xylene	ND		1.0	0.16	ug/L			08/19/24 17:25	1
Toluene	ND		1.0	0.31	ug/L			08/19/24 17:25	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/19/24 17:25	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			80 - 120			-		08/19/24 17:25	1
4-Bromofluorobenzene (Surr)	102		76 - 120					08/19/24 17:25	1
Dibromofluoromethane (Surr)	115		80 - 123					08/19/24 17:25	1
Toluene-d8 (Surr)	101		80 - 120					08/19/24 17:25	1

Lab Sample ID: LCS 590-49050/1005 **Matrix: Water** Analysis Batch: 49050

Analysis Baten. 40000	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2-Dichloroethane	10.0	11.2		ug/L		112	80 - 120	
Benzene	10.0	10.5		ug/L		105	80 - 120	
Ethylbenzene	10.0	9.81		ug/L		98	80 - 122	
m,p-Xylene	10.0	9.56		ug/L		96	80 - 125	
Methyl tert-butyl ether	10.0	11.1		ug/L		111	68 - 134	
Naphthalene	10.0	9.32		ug/L		93	61 - 140	
o-Xylene	10.0	10.0		ug/L		100	80 - 130	
Toluene	10.0	9.75		ug/L		97	80 - 129	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	97		76 - 120
Dibromofluoromethane (Surr)	106		80 - 123
Toluene-d8 (Surr)	94		80 - 120

Lab Sample ID: LCSD 590-49050/6 **Matrix: Water** Analysis Batch: 49050

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dichloroethane	10.0	11.3		ug/L		113	80 - 120	1	14
Benzene	10.0	10.6		ug/L		106	80 - 120	1	15
Ethylbenzene	10.0	9.41		ug/L		94	80 - 122	4	35
m,p-Xylene	10.0	8.47		ug/L		85	80 - 125	12	35
Methyl tert-butyl ether	10.0	10.5		ug/L		105	68 - 134	5	18
Naphthalene	10.0	11.6		ug/L		116	61 - 140	22	25
o-Xylene	10.0	8.53		ug/L		85	80 - 130	16	35

Eurofins Spokane

Prep Type: Total/NA

7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590 Matrix: Water	0-49050/6				(Client Sa	mple ID:		Control Sam Prep Type: 1	
Analysis Batch: 49050			0						0/ D	
Analyta			Spike		LCSD Qualifier	Unit	D %/	Bee	%Rec	RPI
Analyte Toluene	· ·		Added	10.2	Qualifier	Unit ug/L			Limits RP 80 - 129	2D Limi
Toldene			10.0	10.2		ug/L		102	00 - 129	4 3
	LCSD LC	SD								
Surrogate	%Recovery Qu	alifier	Limits							
1,2-Dichloroethane-d4 (Surr)	111		80 - 120							
4-Bromofluorobenzene (Surr)	93		76 - 120							
Dibromofluoromethane (Surr)	109		80 - 123							
Toluene-d8 (Surr)	97		80 - 120							
lethod: NWTPH-Gx -	Northwest - \	/olatile	Petroleu	n Proc	ducts (C	GC/MS)				
Lab Sample ID: MB 590-4	8992/1-A						Client	Samp	le ID: Metho	d Blan
Matrix: Solid									Prep Type: 1	fotal/N
Analysis Batch: 48994									Prep Batch	า: <mark>4899</mark>
	MB	MB								
Analyte	Result	Qualifier	R		MDL Unit		Prepa	ared	Analyzed	Dil Fa
Gasoline	ND		5.	0	1.8 mg/k	(g	08/16/24	4 11:53	08/16/24 15:58	
	MB	MB								
Surrogate	%Recovery		Limits				Prepa	ared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105	-	41.5 - 162	_					08/16/24 15:58	
Analysis Batch: 48994			Spike		LCS	11-14		Dee	Prep Batch %Rec	1: 4899
Analyte Gasoline			Added	43.5	Qualifier	Unit	<u>D_%</u>		Limits 4.4 - 124	
Gasonne			50.0	43.5		mg/Kg		0/ /2	+.4 - 124	
	LCS LC	S								
Surrogate	%Recovery Qu	alifier	Limits							
	/intecovery du									
•	103	4	1.5 - 162							
4-Bromofluorobenzene (Surr)	103		1.5 - 162				Oliont	0	In ID: Matha	d Dian
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4	103	4	1.5 - 162				Client		le ID: Metho	
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water	103	2	1.5 - 162				Client		le ID: Metho Prep Type: ⊺	
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water	<u>103</u> 9027/8		1.5 - 162				Client			
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027	9027/8	МВ			MDI Unit	·			Prep Type: 1	Fotal/N/
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027 Analyte	103 9027/8 MB Result	MB Qualifier	R		MDL Unit	[Prep Type: T	Total/N/ Dil Fa
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027	9027/8	MB Qualifier			MDL Unit	[Prep Type: 1	Total/N/ Dil Fa
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027 Analyte	9027/8 MB Result	MB Qualifier	R			<u>[</u>			Prep Type: T	Total/N/ Dil Fa
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027 Analyte Gasoline Surrogate	9027/8 MB Result	MB Qualifier		0		<u>[</u>		ared	Prep Type: 1 Analyzed 08/16/24 14:26 Analyzed	Dil Fa
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027 Analyte Gasoline Surrogate	9027/8 MB Result ND MB	MB Qualifier MB Qualifier		0		<u>[</u>) Prepa	ared	Prep Type: 1 <u>Analyzed</u> 08/16/24 14:26	Dil Fa
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water	9027/8 9027/8 MB Result ND MB %Recovery 106	MB Qualifier MB Qualifier		0) Prepa	ared ared	Prep Type: 1 Analyzed 08/16/24 14:26 Analyzed	Dil Fa
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water	9027/8 9027/8 MB Result ND MB %Recovery 106	MB Qualifier MB Qualifier	R 		54 ug/L) Prepa	ared ared	Analyzed 08/16/24 14:26 Analyzed 08/16/24 08/16/24 14:26 Lab Control Prep Type: 1	Dil Fa Dil Fa Dil Fa Sample
4-Bromofluorobenzene (Surr) Lab Sample ID: MB 590-4 Matrix: Water Analysis Batch: 49027 Analyte	9027/8 9027/8 MB Result ND MB %Recovery 106	MB Qualifier MB Qualifier		LCS) Prepa Prepa	ared ared le ID: I	Prep Type: 1 <u>Analyzed</u> 08/16/24 14:26 <u>Analyzed</u> 08/16/24 14:26 Lab Control	Dil Fa Dil Fa Dil Fa Sample

Job ID: 590-26366-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Matrix: Water	49027/1007					Client	: Sa	mple ID	: Lab Con Prep Ty		
Analysis Batch: 49027											
	LCS	LCS									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)	- <u></u>	quanner	68.7 - 141								
-											
Lab Sample ID: LCSD 590 Matrix: Water	0-49027/1018	}			C	Client Sam	nple	ID: Lat	Control S Prep Ty		
Analysis Batch: 49027											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline			1000	1070		ug/L		107	80 - 120	1	20
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene (Surr)	94		68.7 - 141								
-											
Lab Sample ID: MB 590-4	9051/10						Clie	ent Sam	nple ID: M	ethod	Blank
Matrix: Water									Prep Ty	pe: To	tal/NA
Analysis Batch: 49051											
		MB MB									
Analyte	Re	sult Quali	fier	RL	MDL Unit	D	P	repared	Analyz		Dil Fac
Gasoline		ND		150	54 ug/L				08/19/24	17:25	1
		MB MB									
Surrogate	%Reco		fier Lim	its			P	repared	Analyz	ed	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Reco	very Quali	fier <u>Lim</u> 68.7 -				P	repared	Analyz 		Dil Fac
-	%Reco	very Quali					P	Prepared			
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590-		very Quali				Client		-	08/19/24	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water		very Quali				Client		-	08/19/24	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590-		very Quali	68.7 -	141		Client		-	08/19/24 : Lab Con Prep Ty	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051		very Quali		141	LCS	Client		-	08/19/24 2: Lab Con Prep Ty %Rec	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte		very Quali	68.7 - Spike Added	141 LCS Result	Qualifier	Unit		mple ID	08/19/24 Conception Co	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051		very Quali	68.7 -	141 LCS	Qualifier		Sa	mple ID	08/19/24 2: Lab Con Prep Ty %Rec	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte		very Quali 102	68.7 - Spike Added	141 LCS Result	Qualifier	Unit	Sa	mple ID	08/19/24 Conception Co	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline	49051/1009	LCS	68.7 - Spike Added	141 LCS Result	Qualifier	Unit	Sa	mple ID	08/19/24 Conception Co	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte	49051/1009	very Quali 102	68.7 - Spike Added 1000	141 LCS Result	Qualifier	Unit	Sa	mple ID	08/19/24 Conception Co	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr)	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier	68.7 - Spike Added 1000	141 LCS Result	Qualifier	Unit	Sa	mple ID	08/19/24 Conception Co	17:25	1 ample
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 590	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier	68.7 - Spike Added 1000	141 LCS Result	Qualifier	Unit ug/L	Saı	mple ID %Rec 107	08/19/24 C: Lab Con Prep Ty %Rec Limits 80 - 120	17:25 htrol S pe: To	1 ample otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr)	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier	68.7 - Spike Added 1000	141 LCS Result	Qualifier	Unit ug/L	Saı	mple ID %Rec 107	08/19/24 2: Lab Con Prep Ty %Rec Limits 80 - 120	17:25 htrol S pe: To	1 ample otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 590	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier	68.7 - Spike Added 1000 Limits 68.7 - 141	LCS Result 1070	Qualifier	Unit ug/L	Saı	mple ID %Rec 107	08/19/24 Control S Prep Tyle %Rec Limits 80 - 120	17:25 htrol S pe: To	ample otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 590 Matrix: Water Analysis Batch: 49051	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier	68.7 - Spike Added 1000 Limits 68.7 - 141 Spike	LCS Result 1070	Qualifier	Unit ug/L	Saı	mple ID %Rec 107	08/19/24 Control S Prep Type %Rec Limits 80 - 120 O Control S Prep Type %Rec With the second	17:25 htrol S pe: To	1 ample otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 590 Matrix: Water Analysis Batch: 49051 Analyte	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier	68.7 - Spike Added 1000 Limits 68.7 - 141 Spike Added	LCS Result 1070 LCSD Result	Qualifier C LCSD Qualifier	Unit ug/L Client Sam	Saı	mple ID %Rec 107	08/19/24 2: Lab Con Prep Ty %Rec Limits 80 - 120 0 Control S Prep Ty %Rec Limits	17:25 htrol S pe: To Samp pe: To 	1 ample otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 590 Matrix: Water Analysis Batch: 49051	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier	68.7 - Spike Added 1000 Limits 68.7 - 141 Spike	LCS Result 1070	Qualifier C LCSD Qualifier	Unit ug/L	: Sar	mple ID %Rec 107	08/19/24 Control S Prep Type %Rec Limits 80 - 120 O Control S Prep Type %Rec With the second	17:25 htrol S pe: To Samp pe: To	1 ample otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 590 Matrix: Water Analysis Batch: 49051 Analyte	49051/1009 <i>LCS</i> %Recovery 93 0-49051/1031	LCS Qualifier	68.7 - Spike Added 1000 Limits 68.7 - 141 Spike Added	LCS Result 1070 LCSD Result	Qualifier C LCSD Qualifier	Unit ug/L Client Sam	: Sar	mple ID %Rec 107	08/19/24 2: Lab Con Prep Ty %Rec Limits 80 - 120 0 Control S Prep Ty %Rec Limits	17:25 htrol S pe: To Samp pe: To 	1 ample otal/NA
4-Bromofluorobenzene (Surr) Lab Sample ID: LCS 590- Matrix: Water Analysis Batch: 49051 Analyte Gasoline Surrogate 4-Bromofluorobenzene (Surr) Lab Sample ID: LCSD 590 Matrix: Water Analysis Batch: 49051 Analyte	49051/1009 LCS <u>%Recovery</u> 93	LCS Qualifier LCS	68.7 - Spike Added 1000 Limits 68.7 - 141 Spike Added	LCS Result 1070 LCSD Result	Qualifier C LCSD Qualifier	Unit ug/L Client Sam	: Sar	mple ID %Rec 107	08/19/24 2: Lab Con Prep Ty %Rec Limits 80 - 120 0 Control S Prep Ty %Rec Limits	17:25 htrol S pe: To Samp pe: To 	1 ample otal/NA

Job ID: 590-26366-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 590-48924/2 Matrix: Solid	2-A							Clie	ent Samp	ole ID: N Prep Ty		
Analysis Batch: 48948											Batch:	
Analysis Datch. 40040		MB MB								пер	Daten.	40324
Analyte	Re	sult Qualifier		RL		MDL Unit	D	Р	repared	Analy	zed	Dil Fac
1,2-Dibromoethane (EDB)		ND		0.080		.035 ug/Kg			4/24 07:48			1
						0.0	5					
Lab Sample ID: LCS 590-48924	/ 3-A						Clien	t Sai	nple ID:	Lab Co	ntrol Sa	ample
Matrix: Solid										Prep Ty	pe: To	tal/NA
Analysis Batch: 48948										Prep	Batch:	48924
			Spike		LCS	LCS				%Rec		
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits		
1,2-Dibromoethane (EDB)			1.00		1.04		ug/Kg		104	60 - 140		
Lab Sample ID: 590-26366-2 MS	5						Clien	t Sar	nple ID:	GEI 073	-B1 (10)-11.5)
Matrix: Solid									•	Prep Ty		
Analysis Batch: 48948											Batch:	
-	Sample	Sample	Spike		MS	MS				%Rec		
Analyte	Result	Qualifier	Added		Result	Qualifier	Unit	D	%Rec	Limits		
1,2-Dibromoethane (EDB)	ND		1.04		0.827		ug/Kg	<u></u>	79	60 - 140		
Lab Sample ID: 590-26366-2 MS	SD						Clien	t Sar	nple ID:	GEI 073	-B1 (10)-11.5)
Matrix: Solid	_									Prep Ty		
Analysis Batch: 48948											Batch:	
-	Sample	Sample	Spike		MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dibromoethane (EDB)	ND		1.03		0.884		ug/Kg	¢	86	60 - 140	7	20
Lab Sample ID: MB 590-49000/1	1-A							Clie	ent Samp	ole ID: N	lethod	Blank
Matrix: Water										Prep Ty		
Analysis Batch: 49007											Batch:	
· ···· , ··· · ····		MB MB										
Analyte	Re	sult Qualifier		RL	I	MDL Unit	D	Р	repared	Analy	zed	Dil Fac
1,2-Dibromoethane (EDB)		ND		0.010	0.0	0025 ug/L		08/1	6/24 15:37	08/16/24	22:41	1
Lab Sample ID: LCS 590-49000	/ <mark>2-A</mark>						Clien	t Sai	nple ID:	Lab Co	ntrol Sa	ample
Matrix: Water										Prep Ty		
Analysis Batch: 49007											Batch:	
			Spike		LCS	LCS				%Rec		
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits		
1,2-Dibromoethane (EDB)			0.125		0.0958		ug/L		77	60 - 140		
Lab Sample ID: LCSD 590-4900	0/3-A					c	Client Sar	nple	ID: Lab			
Matrix: Water										Prep Ty	-	
Analysis Batch: 49007											Batch:	
			Spike			LCSD				%Rec		RPD
Analyte			Added			Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dibromoethane (EDB)			0.125		0.0747	*1	ug/L		60	60 - 140	25	20

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-48 Matrix: Water	965/1-B							Cli		ole ID: Met Prep Type		
Analysis Batch: 49003										Prep Bat		
Analysis Baten. 40000	MB	МВ								Перва		-050
Analyte		Qualifier	RL	м	וח	Unit	г		Prepared	Analyzed	1	Dil Fa
Diesel Range Organics (DRO)		quamor	0.24			mg/L			•	08/17/24 07		2
(C10-C25)			0.21	Ũ		ing/E		00/	10/2111.22	00,11,2101	.20	
Residual Range Organics (RRO)	ND		0.40	0	.12	mg/L		08/	/15/24 14:22	08/17/24 07	:20	
(C25-C36)												
	MB	МВ										
Surrogate	%Recovery		Limits						Prepared	Analyzed	,	Dil Fa
o-Terphenyl			50 - 150							08/17/24 07		
n-Triacontane-d62	86		50 ₋ 150					08/	/15/24 14:22	08/17/24 07	:20	
Lab Sample ID: LCS 590-4	8965/2-B						Clie	nt Sa	ample ID:	Lab Contr	ol Sa	ampl
Matrix: Water										Prep Type	: To	tal/N
Analysis Batch: 49003										Prep Bat	tch:	4896
			Spike	LCS I	LCS					%Rec		
Analyte			Added	Result (Qual	lifier	Unit	D	%Rec	Limits		
Diesel Range Organics (DRO)			1.60	1.52			mg/L		95	50 - 150		
(C10-C25)			4.00	4 70					400	50 450		
Residual Range Organics (RRO) (C25-C36)			1.60	1.70			mg/L		106	50 - 150		
(225-036)												
	LCS LCS	S										
Surrogate	%Recovery Qu	alifier	Limits									
o-Terphenyl	95		50 - 150									
n-Triacontane-d62	102		50 - 150									
										Prep Type Prep Bat		4896
Analysis Batch: 49003			Spike	LCSD I						Prep Bat %Rec	ch:	4896
Analysis Batch: 49003 Analyte			Added	Result			Unit	D	%Rec	Prep Bat %Rec Limits	RPD	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO)			•	-			Unit mg/L	D		Prep Bat %Rec	ch:	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25)			Added	Result 0			mg/L	D	%Rec	Prep Bat %Rec Limits	RPD	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)			Added	Result				D	%Rec	Prep Bat %Rec Limits 50 - 150	RPD 16	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)			Added	Result 0			mg/L	D	%Rec	Prep Bat %Rec Limits 50 - 150	RPD 16	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	LCSD LC		Added	Result 0			mg/L	<u>D</u>	%Rec	Prep Bat %Rec Limits 50 - 150	RPD 16	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate	%Recovery Qu		Added 1.60 1.60 Limits	Result 0			mg/L	<u>D</u>	%Rec	Prep Bat %Rec Limits 50 - 150	RPD 16	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl	%RecoveryQuadratic86		Added 1.60 1.60 <i>Limits</i> 50 - 150	Result 0			mg/L	D	%Rec	Prep Bat %Rec Limits 50 - 150	RPD 16	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl	%Recovery Qu		Added 1.60 1.60 Limits	Result 0			mg/L	<u>D</u>	%Rec	Prep Bat %Rec Limits 50 - 150	RPD 16	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62	%Recovery Qua 86 93		Added 1.60 1.60 <i>Limits</i> 50 - 150	Result 0			mg/L		9 <mark>%Rec</mark> 97	Prep Bat %Rec Limits 50 - 150 50 - 150	RPD 16 9	4896 RP Lim
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48	%Recovery Qua 86 93		Added 1.60 1.60 <i>Limits</i> 50 - 150	Result 0			mg/L		9 <u>%Rec</u> 81 97	Prep Bat %Rec Limits 50 - 150	RPD 16 9	4896 RP Lim 2 2
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate po-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid	%Recovery Qua 86 93		Added 1.60 1.60 <i>Limits</i> 50 - 150	Result 0			mg/L		9 <u>%Rec</u> 81 97	Prep Bat %Rec Limits 50 - 150 50 - 150	hod	4896 RP Lim 2 2 8 Blan tal/N
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate Do-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid	<u>%Recovery</u> 86 93 991/1-A		Added 1.60 1.60 <i>Limits</i> 50 - 150	Result 0			mg/L		9 <u>%Rec</u> 81 97	Prep Bat %Rec Limits 50 - 150 50 - 150	hod	4896 RP Lim 2 2 8 Blan tal/N
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid Analysis Batch: 49003	<u>%Recovery</u> Qua 86 93 991/1-A MB	alifier	Added 1.60 1.60 <i>Limits</i> 50 - 150	Result 0 1.29 1.55	Qual		mg/L mg/L	CI	9 <u>%Rec</u> 81 97	Prep Bat %Rec Limits 50 - 150 50 - 150 50 - 150 Die ID: Met Prep Type Prep Bat Analyzec	RPD 16 9 hod :: Tot	4896 RP Lim 2 2 2 8 Blan tal/N 4899
Matrix: Water Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid Analysis Batch: 49003 Analyte Diesel Range Organics (DRO)	<u>%Recovery</u> Qua 86 93 991/1-A MB	Alifier	Added 1.60 1.60 <i>Limits</i> 50 - 150 50 - 150	Result 0 1.29 1.55	Qual	lifier	mg/L mg/L	Cli	9 <u>%Rec</u> 97	Prep Bat %Rec Limits 50 - 150 50 - 150 50 - 150 ble ID: Met Prep Type Prep Bat Analyzed	RPD 16 9 hod :: Tot	4896 RP Lim 2 2 2 8 Blan tal/N 4899
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate po-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25)	<u>%Recovery</u> Qua 86 93 9991/1-A MB Result ND	Alifier	Added 1.60 1.60 <i>Limits</i> 50 - 150 50 - 150 RL 10	Result O 1.29 1.55	DL 4.2	Unit mg/Kg	mg/L mg/L	CI 08/	9 %Rec 81 97 ient Samp Prepared /16/24 11:14	Prep Bat %Rec Limits 50 - 150 50 - 150 50 - 150 50 - 150 ble ID: Met Prep Type Prep Bat Analyzec 08/16/24 18	RPD 16 9 hod :: Tot ich: - 	4896 RP Lim 2 2 2 8 Blan tal/N 4899
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	<u>%Recovery</u> Qua 86 93 991/1-A MB Result	Alifier	Added 1.60 1.60 <i>Limits</i> 50 - 150 50 - 150 RL	Result O 1.29 1.55	DL 4.2	Unit	mg/L mg/L	CI 08/	9 %Rec 81 97 ient Samp Prepared /16/24 11:14	Prep Bat %Rec Limits 50 - 150 50 - 150 50 - 150 Die ID: Met Prep Type Prep Bat Analyzec	RPD 16 9 hod :: Tot ich: - 	4896 RP Lim 2 2 2 8 Blan tal/N 4899
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate p-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	<u>%Recovery</u> Qui 86 93 9991/1-A MB Result ND ND	MB Qualifier	Added 1.60 1.60 <i>Limits</i> 50 - 150 50 - 150 RL 10	Result O 1.29 1.55	DL 4.2	Unit mg/Kg	mg/L mg/L	CI 08/	9 %Rec 81 97 ient Samp Prepared /16/24 11:14	Prep Bat %Rec Limits 50 - 150 50 - 150 50 - 150 50 - 150 ble ID: Met Prep Type Prep Bat Analyzec 08/16/24 18	RPD 16 9 hod :: Tot ich: - 	4896 RP Lim 2 2 2 8 Blan tal/N 4899
Analysis Batch: 49003 Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62 Lab Sample ID: MB 590-48 Matrix: Solid Analysis Batch: 49003 Analyte	<u>%Recovery</u> Qui 86 93 9991/1-A MB Result ND ND	MB Qualifier MB	Added 1.60 1.60 <i>Limits</i> 50 - 150 50 - 150 RL 10	Result O 1.29 1.55	DL 4.2	Unit mg/Kg	mg/L mg/L	Cli 08/ 08/	9 %Rec 81 97 ient Samp Prepared /16/24 11:14	Prep Bat %Rec Limits 50 - 150 50 - 150 50 - 150 50 - 150 ble ID: Met Prep Type Prep Bat Analyzec 08/16/24 18	RPD 16 9 • • • • • • •	4896 RP Lim 2 2 8 Blan tal/N

Job ID: 590-26366-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued) Lab Sample ID: MB 590-48991/1-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Analysis Batch: 49003 Prep Batch: 48991 MB MB %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 08/16/24 11:14 08/16/24 18:03 n-Triacontane-d62 91 50 - 150 1 Lab Sample ID: LCS 590-48991/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 49003 Prep Batch: 48991 Spike LCS LCS %Rec Added **Result Qualifier** Analyte Unit D %Rec Limits Diesel Range Organics (DRO) 66.7 73.5 mg/Kg 110 50 - 150 (C10-C25) 66.7 76.0 Residual Range Organics (RRO) mg/Kg 114 50 - 150 (C25-C36) LCS LCS Surrogate %Recovery Qualifier Limits o-Terphenyl 50 - 150 100 n-Triacontane-d62 100 50 - 150 Lab Sample ID: 590-26366-2 DU Client Sample ID: GEI 073-B1 (10-11.5) Matrix: Solid Prep Type: Total/NA Analysis Batch: 49003 Prep Batch: 48991 DU DU RPD Sample Sample Analyte **Result Qualifier Result Qualifier** Unit D RPD Limit Diesel Range Organics (DRO) 15 6.96 JF5 mg/Kg ☆ 71 40 (C10-C25) 7.2 J 6.10 J 16 40 Residual Range Organics (RRO) mg/Kg ġ (C25-C36) DU DU Surrogate %Recovery Qualifier Limits o-Terphenyl 87 50 - 150 n-Triacontane-d62 89 50 - 150 Lab Sample ID: 590-26366-6 DU Client Sample ID: GEI 073-B2 (13-14) Matrix: Solid Prep Type: Total/NA Analysis Batch: 49003 Prep Batch: 48991 Sample Sample DU DU RPD Analyte **Result Qualifier Result Qualifier** Unit D RPD Limit 1500 3 40 Diesel Range Organics (DRO) 1470 mg/Kg ÷Ċŕ (C10-C25) Residual Range Organics (RRO) 23 J 20.5 J 12 40 mg/Kg ÷ (C25-C36) DU DU Surrogate %Recovery Qualifier Limits o-Terphenyl 3 S1-50 - 150 n-Triacontane-d62 92 50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-49174/2-A Matrix: Solid Analysis Batch: 49225

-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.3	0.50	mg/Kg		08/23/24 11:16	08/26/24 13:29	1
Barium	ND	^1+	1.3	0.34	mg/Kg		08/23/24 11:16	08/26/24 13:29	1
Cadmium	ND		1.0	0.059	mg/Kg		08/23/24 11:16	08/26/24 13:29	1
Chromium	ND	^1+	1.3	0.18	mg/Kg		08/23/24 11:16	08/26/24 13:29	1
Lead	ND		3.0	1.5	mg/Kg		08/23/24 11:16	08/26/24 13:29	1
Selenium	ND		5.0	3.0	mg/Kg		08/23/24 11:16	08/26/24 13:29	1

Lab Sample ID: MB 590-49174/2-A

Matrix: Solid Analysis Batch: 49233

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		1.3	0.34	mg/Kg		08/23/24 11:16	08/26/24 17:41	1
Chromium	ND		1.3	0.18	mg/Kg		08/23/24 11:16	08/26/24 17:41	1
Silver	ND		1.3	0.29	mg/Kg		08/23/24 11:16	08/26/24 17:41	1

Lab Sample ID: LCS 590-49174/1-A Matrix: Solid

Analysis Batch: 49225

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	100	96.1		mg/Kg		96	80 - 120	
Barium	100	84.6	^1+	mg/Kg		85	80 - 120	
Cadmium	50.0	47.0		mg/Kg		94	80 - 120	
Chromium	50.0	49.6	^1+	mg/Kg		99	80 - 120	
Lead	50.0	50.0		mg/Kg		100	80 - 120	
Selenium	100	96.2		mg/Kg		96	80 - 120	

Lab Sample ID: LCS 590-49174/1-A Matrix: Solid

Analysis Batch: 49233

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Barium	100	87.6		mg/Kg		88	80 - 120	
Chromium	50.0	51.5		mg/Kg		103	80 - 120	
Silver	5.00	6.15	*+	mg/Kg		123	80 - 120	

Lab Sample ID: 590-26366-2 MS Matrix: Solid

Analysis Batch: 49225									Prep I	Batch: 49174
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	ND		107	101		mg/Kg	¢	94	75 - 125	
Cadmium	ND		53.5	50.2		mg/Kg	¢	94	75 - 125	
Lead	ND		53.5	56.7		mg/Kg	¢	106	75 - 125	
Selenium	ND		107	100		mg/Kg	₽	94	75 - 125	

Job ID: 590-26366-1

Prep Type: Total/NA Prep Batch: 49174

Prep Type: Total/NA Prep Batch: 49174

Client Sample ID: Method Blank

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: GEI 073-B1 (10-11.5)

Prep Type: Total/NA Prep Batch: 49174

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 49174
Prep Type: Total/NA

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 590-26366 Matrix: Solid Analysis Batch: 49233	-2 MS					Clier	it Sar	nple ID	: GEI 073-B1 (10-11.5) Prep Type: Total/NA Prep Batch: 49174
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Barium	82		107	166		mg/Kg	☆	79	75 - 125
Chromium	5.2	J	53.5	58.0		mg/Kg	☆	99	75 - 125
Silver	ND	*+ F1	5.35	3.65	J F1	mg/Kg	¢	68	75 - 125
Lab Sample ID: 590-26366	-2 MSD					Clier	nt Sar	nple ID	: GEI 073-B1 (10-11.5)

Lab Sample ID: 590-26366-2 MSD Matrix: Solid Analysis Batch: 49225

Analysis Batch: 49225									Prep E	9174	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	ND		111	108		mg/Kg	⊉	97	75 - 125	7	20
Cadmium	ND		55.6	51.7		mg/Kg	¢	93	75 - 125	3	20
Lead	ND		55.6	62.1		mg/Kg	₽	112	75 - 125	9	20
Selenium	ND		111	106		mg/Kg	÷.	96	75 - 125	6	20

Lab Sample ID: 590-26366-2 MSD Matrix: Solid Analysis Batch: 49233

7 maryolo Batom 40200											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Barium	82		111	185		mg/Kg	¢	93	75 - 125	11	20
Chromium	5.2	J	55.6	64.4		mg/Kg	¢	106	75 - 125	10	20
Silver	ND	*+ F1	5.56	4.47	J	mg/Kg	¢	80	75 - 125	20	20

Lab Sample ID: 590-26366-2 DU Matrix: Solid Analysis Batch: 49225

Allalysis Daluli. 49220							Frep Batch.	+31/4
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Arsenic	ND		ND		mg/Kg	<u></u>	NC	20
Cadmium	ND		ND		mg/Kg	₽	NC	20
Lead	ND		ND		mg/Kg	¢	NC	20
Selenium	ND		ND		mg/Kg	₽	NC	20

Lab Sample ID: 590-26366-2 DU Matrix: Solid

Analysis Batch: 49233							Prep Batch: 4	49174
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Barium	82		75.8		mg/Kg	#	7	20
Chromium	5.2	J	6.12	J	mg/Kg	¢	17	20
Silver	ND	*+ F1	ND	*+	mg/Kg	¢	NC	20

Lab Sample ID: MB 590-49177/2-A

Matrix: Water Prep Type: Total Recoverable Analysis Batch: 49221 Prep Batch: 49177 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac ND 0.060 0.0051 mg/L 08/23/24 11:33 08/23/24 19:08 1

Client Sample ID: GEI 073-B1 (10-11.5) Prep Type: Total/NA Prep Batch: 49174

Client Sample ID: GEI 073-B1 (10-11.5) Prep Type: Total/NA Prep Batch: 49174

Client Sample ID: GEI 073-B1 (10-11.5) Prep Type: Total/NA

Client Sample ID: Method Blank

Eurofins Spokane

Lead

Analyte

Hg

Job ID: 590-26366-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 590-49 Matrix: Water	1777 -A					Cile			: Lab Cont		
Analysis Batch: 49221									Prep Ba		
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Lead			1.00	1.03		mg/L		103	80 - 120		
Lab Sample ID: MB 590-491	75/2-B						Clie	ent Sam	ple ID: Met	hod	Blan
Matrix: Water									Prep Type:	Diss	solve
Analysis Batch: 49221									Prep Ba	tch:	4917
		MB MB									
Analyte	Re	sult Qualifier			MDL Unit			repared	Analyze		Dil Fa
Lead		ND	0.	.060 0.0	0051 mg/L		08/2	3/24 11:3	7 08/23/24 10	6:59	
Lab Sample ID: LCS 590-49	175/1-B					Clie	nt Sai		: Lab Cont		
Matrix: Water									Prep Type:		
Analysis Batch: 49221									Prep Ba	tch:	4917
			Spike	-	LCS		_	~~ -	%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Lead			1.00	1.10		mg/L		110	80 - 120		
Lab Sample ID: 590-26366-2	22 MS					Cli	ent Sa	ample II	D: GEI 073-	B1-0	8082
Matrix: Water									Prep Type:	Diss	olve
Analysis Batch: 49221									Prep Ba	tch:	4917
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Lead	ND		1.00	1.06		mg/L		106	75 - 125		
Lab Sample ID: 590-26366-2	22 MSD					Cli	ent Sa	ample II	D: GEI 073-	B1-0	8082
Matrix: Water									Prep Type:		
Analysis Batch: 49221									Prep Ba	tch:	<mark>4917</mark>
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Lead	ND		1.00	1.12		mg/L		112	75 - 125	5	2
Lab Sample ID: 590-26366-2	22 DU					Cli	ent Sa	ample II	D: GEI 073-	B1-0	8082
Matrix: Water									Prep Type:	Diss	olve
Analysis Batch: 49221									Prep Ba	tch:	<mark>4917</mark>
	Sample	Sample		DU	DU						RP
Analyte		Qualifier			Qualifier	Unit	D			RPD	Lim
Lead	ND			ND		mg/L				NC	2
lethod: 7471B - Mercur	y (CVAA)									
Lab Sample ID: MB 590-489	08/9-4						Clie	ent Sam	ple ID: Me	hod	Blan
Matrix: Solid	00/ <i>3-</i> A						Une	ant Saill	Prep Type		
Analysis Batch: 48942									Prep Ba		
analysis Batoll. TOUTE											

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		50	12	ug/Kg		08/13/24 11:41	08/14/24 14:55	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 590-48908/8-A				Clie	nt Sar	nple ID	: Lab Control Sample
Matrix: Solid							Prep Type: Total/NA
Analysis Batch: 48942							Prep Batch: 48908
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Hg	200	200		ug/Kg		100	80 - 120

Dil

1

Dil

1

1

1

1

10

Factor

Factor

Run

Run

Initial

Amount

Initial

Amount

14.926 g

0.86 mL

14.926 g

0.86 mL

10.47 g

1 mL

15.97 g

1 mL

1.30 g

Final

Amount

Final

Amount

10 mL

43 mL

10 mL

43 mL

2 mL

1 mL

5 mL

1 mL

50 mL

Batch

48905

Batch

48992

48993

48992

48994

48924

48948

48991

49003

49174

49225

Number

Number

Client Sample ID: GEI 073-B1 (10-11.5) Date Collected: 08/08/24 13:30 Date Received: 08/12/24 09:26

Batch

Method

Moisture

Batch

5035

8260D

5035

8011

8011

3550C

3050B

6010D

NWTPH-Gx

NWTPH-Dx

Method

Batch

Туре

Date Collected: 08/08/24 13:30

Date Received: 08/12/24 09:26

Analysis

Batch

Туре

Prep

Prep

Prep

Prep

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Client Sample ID: GEI 073-B1 (10-11.5)

Prep Type

Prep Type

Total/NA

Lab Sample ID:	590-26366-2
	Matrix: Solid

Job ID: 590-26366-1

Client Sample ID: GEI 073-B2 (13-14) Date Collected: 08/08/24 17:20 Date Received: 08/12/24 09:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture	·	1			48905	08/13/24 11:34	AMB	EET SPK

Client Sample ID: GEI 073-B2 (13-14) Date Collected: 08/08/24 17:20 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			14.682 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		10	0.86 mL	43 mL	48993	08/16/24 22:49	JSP	EET SPK
Total/NA	Prep	5035			14.682 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	48994	08/16/24 22:49	JSP	EET SPK
Total/NA	Prep	8011			10.10 g	2 mL	48924	08/14/24 07:48	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 21:18	NMI	EET SPK
Total/NA	Prep	3550C			15.11 g	5 mL	48991	08/16/24 11:14	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/16/24 19:29	NMI	EET SPK
Total/NA	Prep	3050B			1.41 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49225	08/26/24 13:58	AMB	EET SPK

Lab Sample ID: 590-26366-2 Matrix: Solid

AMB

Analyst

Analyst

JSP

JSP

JSP

JSP

Prepared

or Analyzed

08/13/24 11:34

Prepared

or Analyzed

08/16/24 11:53

08/16/24 22:23

08/16/24 11:53

08/16/24 22:23

08/14/24 07:48 MRV

08/14/24 20:28 NMI

08/16/24 11:14 MRV

08/16/24 18:46 NMI

Percent Solids: 91.7

Lab

Lab

EET SPK

ab Sample	ID: 590-	26366-6
08/26/24 13:33	AMB	EET SPK
08/23/24 11:16	AMB	EET SPK

L

Lab Sample ID: 590-26366-6

Matrix: Solid

Matrix: Solid

Percent Solids: 90.9

Batch

Туре

Date Collected: 08/09/24 08:20

Date Received: 08/12/24 09:26

Analysis

Client Sample ID: GEI 073-B3 (10-11)

Prep Type

Total/NA

Batch

Method

Moisture

Lab Sample ID: 590-26366-9 Matrix: Solid

Lab Sample ID: 590-26366-12

Lab Sample ID: 590-26366-12

Prepared

or Analyzed

08/13/24 11:34 AMB

Analyst Lab EET SPK Lab Sample ID: 590-26366-9 Matrix: Solid Percent Solids: 89.2 8

Matrix: Solid

Matrix: Solid

Percent Solids: 91.6

Final

Amount

Batch

48905

Number

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.175 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	48993	08/16/24 23:14	JSP	EET SPK
Total/NA	Prep	5035			11.175 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	48994	08/16/24 23:14	JSP	EET SPK
Total/NA	Prep	8011			10.32 g	2 mL	48924	08/14/24 07:48	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 21:51	NMI	EET SPK
Total/NA	Prep	3550C			15.68 g	5 mL	48991	08/16/24 11:14	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/16/24 20:12	NMI	EET SPK
Total/NA	Prep	3050B			1.37 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49225	08/26/24 14:02	AMB	EET SPK

Lab Chronicle

Initial

Amount

Dil

1

Factor

Run

Client Sample ID: GEI 073-B4 (13-14) Date Collected: 08/09/24 11:00 Date Received: 08/12/24 09:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			48905	08/13/24 11:34	AMB	EET SPK

Client Sample ID: GEI 073-B4 (13-14) Date Collected: 08/09/24 11:00 Date Received: 08/12/24 09:26

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.823 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	48993	08/16/24 23:39	JSP	EET SPK
Total/NA	Prep	5035			10.823 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	48994	08/16/24 23:39	JSP	EET SPK
Total/NA	Prep	8011			10.22 g	2 mL	48924	08/14/24 07:48	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 22:08	NMI	EET SPK
Total/NA	Prep	3550C			15.91 g	5 mL	48991	08/16/24 11:14	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/16/24 20:34	NMI	EET SPK
Total/NA	Prep	3050B			1.32 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49225	08/26/24 14:18	AMB	EET SPK

Client Sample ID: GEI 073-B5 (5-6) Date Collected: 08/09/24 14:00 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type Total/NA	Type Analysis	Method Moisture	Run	Factor	Amount	Amount	Number 48930	or Analyzed 08/14/24 10:52	Analyst AMB	EET SPK
Client Sam	ple ID: GEI	073-B5 (5-6)					La	b Sample I	D: 590-	26366-14

Client Sample ID: GEI 073-B5 (5-6) Date Collected: 08/09/24 14:00 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.754 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	48993	08/17/24 00:30	JSP	EET SPK
Total/NA	Prep	5035			9.754 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	48994	08/17/24 00:30	JSP	EET SP
Total/NA	Prep	8011			10.35 g	2 mL	48924	08/14/24 07:48	MRV	EET SP
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 22:24	NMI	EET SP
Total/NA	Prep	3550C			15.56 g	5 mL	48991	08/16/24 11:14	MRV	EET SP
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/16/24 20:55	NMI	EET SP
Total/NA	Prep	3050B			1.43 g	50 mL	49174	08/23/24 11:16	AMB	EET SP
Total/NA	Analysis	6010D		10			49225	08/26/24 14:22	AMB	EET SP

Client Sample ID: GEI 073-B5 (10-11) Date Collected: 08/09/24 14:30 Date Received: 08/12/24 09:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			48905	08/13/24 11:34	AMB	EET SPK

Client Sample ID: GEI 073-B5 (10-11) Date Collected: 08/09/24 14:30 Date Received: 08/12/24 09:26

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.209 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	48993	08/17/24 00:55	JSP	EET SPK
Total/NA	Prep	5035			11.209 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	48994	08/17/24 00:55	JSP	EET SPK
Total/NA	Prep	8011			10.65 g	2 mL	48924	08/14/24 07:48	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 22:41	NMI	EET SPK
Total/NA	Prep	3550C			15.70 g	5 mL	48991	08/16/24 11:14	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/16/24 21:17	NMI	EET SPK
Total/NA	Prep	3050B			1.48 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49225	08/26/24 14:26	AMB	EET SPK

Job ID: 590-26366-1

Lab Sample ID: 590-26366-14 Matrix: Solid

Lab Sample ID: 590-26366-15

Lab Sample ID: 590-26366-15

Matrix: Solid

Matrix: Solid

Matrix: Solid

Percent Solids: 89.6

Percent Solids: 89.6

Client Sample ID: GEI 073-B6 (8-9) Date Collected: 08/09/24 17:30 **Date Received**

Date Receive	d: 08/12/24 0	9:26									
Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab	5
Total/NA	Analysis	Moisture		1			48905	08/13/24 11:34	AMB	EET SPK	
Client Sam	ple ID: GE	I 073-B6 (8-	-9)				La	b Sample I	D: 590-	26366-18	
Date Collecte	d: 08/09/24 1	7:30							Ma	atrix: Solid	

Date Collected: 08/09/24 17:30 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			14.914 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 13:22	JSP	EET SPK
Total/NA	Prep	5035			14.914 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	48994	08/17/24 01:21	JSP	EET SPK
Total/NA	Prep	8011			10.49 g	2 mL	48924	08/14/24 07:48	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 22:58	NMI	EET SPK
Total/NA	Prep	3550C			15.80 g	5 mL	48991	08/16/24 11:14	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/16/24 22:00	NMI	EET SPK
Total/NA	Prep	3050B			1.40 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49225	08/26/24 14:31	AMB	EET SPK

Client Sample ID: GEI 073-DUP Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1		-	48905	08/13/24 11:34	AMB	EET SPK

Client Sample ID: GEI 073-DUP Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			15.793 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 13:47	JSP	EET SPK
Total/NA	Prep	5035			15.793 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	48994	08/17/24 01:46	JSP	EET SPK
Total/NA	Prep	8011			10.52 g	2 mL	48924	08/14/24 07:48	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 23:14	NMI	EET SPK
Total/NA	Prep	3550C			15.65 g	5 mL	48991	08/16/24 11:14	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/16/24 22:22	NMI	EET SPK
Total/NA	Prep	3050B			1.45 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49225	08/26/24 14:35	AMB	EET SPK

Job ID: 590-26366-1

Lab Sample ID: 590-26366-18 Matrix: Solid

Lab Sample ID: 590-26366-20

Lab Sample ID: 590-26366-20

Matrix: Solid

Matrix: Solid

Percent Solids: 87.8

Percent Solids: 95.0

Client Sample ID: GEI 073-COMP Date Collected: 08/09/24 00:00 Date Received: 08/12/24 09:26

			Initial	Final	Batch	Prepared		
Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
is Moisture		1			48905	08/13/24 11:34	AMB	EET SPK
s								

Client Sample ID: GEI 073-COMF Date Collected: 08/09/24 00:00 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.50 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49225	08/26/24 14:39	AMB	EET SPK
Total/NA	Prep	3050B			1.50 g	50 mL	49174	08/23/24 11:16	AMB	EET SPK
Total/NA	Analysis	6010D		10			49233	08/26/24 18:10	AMB	EET SPK
Total/NA	Prep	7471B			0.77 g	50 mL	48908	08/13/24 11:41	AMB	EET SPK
Total/NA	Analysis	7471B		1			48942	08/14/24 15:56	AMB	EET SPK

Client Sample ID: GEI 073-B1-080824 Date Collected: 08/09/24 16:30 Date Received: 08/12/24 09:26

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49026	08/16/24 17:37	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49027	08/16/24 17:37	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	49000	08/16/24 15:37	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	49007	08/17/24 00:04	NMI	EET SPK
Total/NA	Prep	3510C			257.9 mL	2 mL	48965	08/15/24 14:22	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/17/24 04:49	NMI	EET SPK
Total/NA	Prep	3510C			257.9 mL	2 mL	48965	08/15/24 14:22	NMI	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	49004	08/15/24 14:22	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/17/24 08:24	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 17:04	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 18:02	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	49177	08/23/24 11:33	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			49221	08/23/24 19:13	AMB	EET SPK

Client Sample ID: GEI 073-B3-080924 Date Collected: 08/09/24 10:40 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49026	08/16/24 18:19	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49027	08/16/24 18:19	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	49000	08/16/24 15:37	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	49007	08/17/24 00:21	NMI	EET SPK

Eurofins Spokane

Job ID: 590-26366-1

Matrix: Solid

Matrix: Solid

Percent Solids: 84.0

Lab Sample ID: 590-26366-21

Lab Sample ID: 590-26366-22 Matrix: Water

Lab Sample ID: 590-26366-23

I

Matrix: Water

Initial

Client Sample ID: GEI 073-B3-080924 Date Collected: 08/09/24 10:40 Date Received: 08/12/24 09:26

Batch

Batch

Lab Sample ID: 590-26366-23 **Matrix: Water**

Prepared

Batch

Final

•
9

EET SPK Lab Sample ID: 590-26366-24

Lab Sample ID: 590-26366-25

Matrix: Water

Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 3510C 48965 EET SPK Prep 262 mL 2 mL 08/15/24 14:22 NMI Total/NA NWTPH-Dx 49003 Analysis 1 1 mL 1 mL 08/17/24 05:11 NMI EET SPK Total/NA Prep 3510C 262 mL 2 mL 48965 08/15/24 14:22 NMI EET SPK Total/NA 3630C 1 mL 49004 Cleanup 1 mL 08/15/24 14:22 MRV EET SPK Total/NA Analysis NWTPH-Dx 1 1 mL 1 mL 49003 08/17/24 08:46 NMI EET SPK Dissolved Prep 3005A 50 mL 50 mL 49178 08/23/24 11:37 AMB EET SPK Dissolved Analysis 6010D 1 49221 08/23/24 17:28 AMB EET SPK Dissolved Filtration FILTRATION 250 mL 250 mL 49175 08/23/24 11:28 AMB EET SPK Dissolved 3005A 50 mL 50 mL 49178 Prep 08/23/24 11:37 AMB EET SPK Analysis 6010D 49221 08/23/24 18:06 AMB Dissolved 1 EET SPK **Total Recoverable** 3005A 50 mL 50 mL 49177 08/23/24 11:33 AMB Prep EET SPK 49221 Total Recoverable 6010D Analysis 1 08/23/24 19:17 AMB

Dil

Client Sample ID: GEI 073-B4-080924 Date Collected: 08/09/24 12:50 Date Received: 08/12/24 09:26

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49026	08/16/24 18:40	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49027	08/16/24 18:40	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	49000	08/16/24 15:37	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	49007	08/17/24 00:38	NMI	EET SPK
Total/NA	Prep	3510C			261.3 mL	2 mL	48965	08/15/24 14:22	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/17/24 05:32	NMI	EET SPK
Total/NA	Prep	3510C			261.3 mL	2 mL	48965	08/15/24 14:22	NMI	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	49004	08/15/24 14:22	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/17/24 09:07	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 17:32	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 18:10	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	49177	08/23/24 11:33	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			49221	08/23/24 19:21	AMB	EET SPK

Client Sample ID: GEI 073-B5-080924 Date Collected: 08/09/24 17:00 Date Received: 08/12/24 09:26

[Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49026	08/16/24 19:01	JSP	EET SPK
Total/NA	Analysis	8260D		10	43 mL	43 mL	49050	08/19/24 18:07	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	43 mL	43 mL	49051	08/19/24 18:07	JSP	EET SPK
Total/NA Total/NA	Prep Analysis	8011 8011		1	80 mL 1 mL	2 mL 1 mL	49000 49007	08/16/24 15:37 08/17/24 00:54	MRV NMI	EET SPK EET SPK

Eurofins Spokane

Matrix: Water

Initial

Amount

259.8 mL

1 mL

259.8 mL

1 mL

1 mL

50 mL

250 mL

50 mL

50 mL

Dil

1

1

1

1

1

Factor

Run

Client Sample ID: GEI 073-B5-080924 Date Collected: 08/09/24 17:00 Date Received: 08/12/24 09:26

Batch

Method

3510C

3510C

3630C

3005A

6010D

3005A

6010D

3005A

6010D

NWTPH-Dx

NWTPH-Dx

FILTRATION

Batch

Туре

Prep

Prep

Analysis

Cleanup

Analysis

Analysis

Filtration

Analysis

Analysis

Client Sample ID: GEI 073-B6-080924

Prep

Prep

Prep

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dissolved

Dissolved

Dissolved

Dissolved

Dissolved

Total Recoverable

Total Recoverable

Lab

EET SPK

Lab Sample ID: 590-26366-25 Matrix: Water

Analyst

NMI

Prepared

or Analyzed

08/15/24 14:22

08/17/24 05:54 NMI

08/15/24 14:22 NMI

08/15/24 14:22 MRV

08/17/24 09:29 NMI

08/23/24 11:37 AMB

08/23/24 17:49 AMB

08/23/24 11:28 AMB

08/23/24 11:37 AMB

08/23/24 18:14 AMB

08/23/24 11:33 AMB

08/23/24 19:38 AMB

Batch

48965

49003

48965

49004

49003

49178

49221

49175

49178

49221

49177

49221

Number

Final

Amount

2 mL

1 mL

2 mL

1 mL

1 mL

50 mL

250 mL

50 mL

50 mL

8

)

Lab Sample ID: 590-26366-26 Matrix: Water

Date Collected: 08/09/24 19:00 Date Received: 08/12/24 09:26

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49026	08/16/24 19:22	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49027	08/16/24 19:22	JSP	EET SPK
Total/NA	Prep	8011			80 mL	2 mL	49000	08/16/24 15:37	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	49007	08/17/24 01:11	NMI	EET SPK
Total/NA	Prep	3510C			263.6 mL	2 mL	48965	08/15/24 14:22	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/17/24 06:15	NMI	EET SPK
Total/NA	Prep	3510C			263.6 mL	2 mL	48965	08/15/24 14:22	NMI	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	49004	08/15/24 14:22	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49003	08/17/24 09:51	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 17:53	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 18:18	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	49177	08/23/24 11:33	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			49221	08/23/24 19:42	AMB	EET SPK

Client Sample ID: GEI 073-080924DUP Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49026	08/16/24 19:43	JSP	EET SPK
Total/NA	Analysis	8260D		10	43 mL	43 mL	49050	08/19/24 18:28	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	43 mL	43 mL	49051	08/19/24 18:28	JSP	EET SPK
Total/NA Total/NA	Prep Analysis	8011 8011		1	80 mL 1 mL	2 mL 1 mL	49000 49007	08/16/24 15:37 08/17/24 01:44	MRV NMI	EET SPK EET SPK

Eurofins Spokane

Lab Sample ID: 590-26366-27

Matrix: Water

Initial

Amount

259.6 mL

1 mL

259.6 mL

1 mL

1 mL

50 mL

250 mL

50 mL

50 mL

Final

Amount

2 mL

1 mL

2 mL

1 ml

1 mL

50 mL

250 mL

50 mL

50 mL

Batch

48965

49003

48965

49004

49003

49178

49221

49175

49178

49221

49177

49221

Number

Dil

1

1

1

1

1

Factor

Run

Client Sample ID: GEI 073-080924DUP Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26

Batch

Method

3510C

3510C

3630C

3005A

6010D

3005A

6010D

3005A

6010D

NWTPH-Dx

NWTPH-Dx

FILTRATION

Batch

Type

Prep

Prep

Analysis

Cleanup

Analysis

Analysis

Filtration

Analysis

Analysis

Prep

Prep

Prep

Client Sample ID: Trip Blank

Date Collected: 08/09/24 00:00

Date Received: 08/12/24 09:26

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dissolved

Dissolved

Dissolved

Dissolved

Dissolved

Total Recoverable

Total Recoverable

Lab

EET SPK

Matrix: Solid

Matrix: Water

Matrix: Water

Lab Sample ID: 590-26366-27 Matrix: Water

Analyst

NMI

Prepared

or Analyzed

08/15/24 14:22

08/17/24 06:37 NMI

08/15/24 14:22 NMI

08/15/24 14:22 MRV

08/17/24 10:12 NMI

08/23/24 11:37 AMB

08/23/24 17:57 AMB

08/23/24 11:28 AMB

08/23/24 11:37 AMB

08/23/24 18:23 AMB

08/23/24 11:33 AMB

08/23/24 19:46 AMB

8

Lab Sample ID: 590-26366-28 Matrix: Water

Lab Sample ID: 590-26366-29

Lab Sample ID: 590-26366-30

Lab Sample ID: 590-26366-31

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type Total/NA	Type Analysis	8260D	Run	Factor 1	Amount 43 mL	Amount 43 mL	Number 49026	or Analyzed 08/16/24 20:04	Analyst JSP	Lab EET SPK

Client Sample ID: Trip Blank Date Collected: 08/09/24 00:00

Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.008 g	10 mL	48992	08/16/24 11:53	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 14:12	JSP	EET SPK

Client Sample ID: GEI 073-B1-080824 (2 micron) Date Collected: 08/09/24 16:30 Date Received: 08/12/24 09:26

Dil Initial Batch Batch Batch Final Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Dissolved Filtration FILTRATION 250 mL 250 ml 49175 08/23/24 11:28 AMB EET SPK Dissolved Prep 3005A 50 mL 50 mL 49178 08/23/24 11:37 AMB EET SPK 49221 Dissolved Analysis 6010D 1 08/23/24 18:27 AMB EET SPK

Client Sample ID: GEI 073-B3-080924 (2 micron) Date Collected: 08/09/24 10:40 Date Received: 08/12/24 09:26

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Pre	ер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dis	solved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dis	solved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dis	solved	Analysis	6010D		1			49221	08/23/24 18:43	AMB	EET SPK

Client Sample ID: GEI 073-B4-080924 (2 micron) Date Collected: 08/09/24 12:50 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 18:48	AMB	EET SPK

Client Sample ID: GEI 073-B5-080924 (2 micron) Date Collected: 08/09/24 17:50 Date Received: 08/12/24 09:26

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 18:52	AMB	EET SPK

Client Sample ID: GEI 073-B6-080924 (2 micron) Date Collected: 08/09/24 19:00 Date Received: 08/12/24 09:26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 18:56	AMB	EET SPK

Client Sample ID: GEI 073-080924DUP (2 micron) Date Collected: 08/09/24 07:30 Date Received: 08/12/24 09:26

Lab Sample ID: 590-26366-35 Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49175	08/23/24 11:28	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49178	08/23/24 11:37	AMB	EET SPK
Dissolved	Analysis	6010D		1			49221	08/23/24 19:00	AMB	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Lab Sample ID: 590-26366-32 Matrix: Water

Lab Sample ID: 590-26366-33

Lab Sample ID: 590-26366-34

watrix. water

Matrix: Water

Matrix: Water

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date
Washington	State		C569	01-07-25
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Method Summary

Client: GeoEngineers Inc Project/Site: Roy Farms/0504-213-00

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET SPK
6010D	Metals (ICP)	SW846	EET SPK
7471B	Mercury (CVAA)	SW846	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SPK
3050B	Preparation, Metals	SW846	EET SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3630C	Silica Gel Cleanup	SW846	EET SPK
5030C	Purge and Trap	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
7471B	Preparation, Mercury	SW846	EET SPK
8011	Microextraction	SW846	EET SPK
FILTRATION	Sample Filtration	None	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

None = None

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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PO 0 6054213-00 Image: Stample Sample Sa		Project Manager: Andrew Pr	ovent		COC No:
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Cup T O T3 - B Y (B-14) N N O G Preservation Used: 1= (co, 2= HG); 3= H2504; 4=HNO3; 6=N>0H; 6= Other Sample Disposel (A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Udentification: Sample Disposel (A fee may be assessed if samples are retained longer than 1 month) Comments Section if the tab is to dispose of the sample. Sample Disposel (A fee may be assessed if samples are retained longer than 1 month) Procentiated Elsen may be assessed if samples are retained longer than 1 month) Comments Section if the tab is to dispose of the sample. Return to Otent Non-Itstatd Elsen ments Special Instructions/QC Regularements & Comments: Months Custody Seals Injact: Yes No Custody Seal No. Custody Seals Injact: Yes No Custody Seal No. Company: Date/Time: P-1224/G125 Rochivel by: Company: Date/Time: P-1224/G125 Company: Date/Time: Date/Time: P-1224/G125 Company: Date/Time: Date/Time:	Get 073-B3(19-20)	11 095 G			
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	Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Company:	Date/Time:

Chain of Custody Record

Régulatory Program: Dow Diepoes Decen

Eurofins Spokene

Spokane, WA 99206-5302 phone 509.924.9200 fax 509.924.9290

11922 E 1st Avenue

🔅 eurofins 💡

Environment Testing America

Eurofine Environment Testing America

Scanned with CamScanner

Chain	of	Custody	Record
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Onte: Carrier; 🔅 eurofins

COC No:

TALS Project #:

Walk-in Client: Lab Samping

Sampler: For Lab Use Only:

Environment Testing America

Z d <u>3</u> cocs

Eurofins Environment Testing America

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# Login Sample Receipt Checklist

#### Client: GeoEngineers Inc

### Login Number: 26366 List Number: 1 Creator: Vaughan, Madison R

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 590-26366-1

List Source: Eurofins Spokane

# Appendix E

Report Limitations and Guidelines for Use

# Appendix E Report Limitations and Guidelines for Use¹

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

# ENVIRONMENTAL SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES, PERSONS AND PROJECTS

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

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

# THIS ENVIRONMENTAL REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

This report has been prepared for the Roy Farms located at 401 Walters Road in Moxee, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

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

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

# **RELIANCE CONDITIONS FOR THIRD PARTIES**

Our report was prepared for the exclusive use of Ecology. No other party may rely on the product of our services unless we agree in advance to such reliance in writing. This is to provide our firm and Ecology with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions. Within the limitations of scope, schedule and budget, our services



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

have been executed in accordance with our Agreement with Ecology and generally accepted environmental practices in this area at the time this report was prepared.

# ENVIRONMENTAL REGULATIONS ARE ALWAYS EVOLVING

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

### UNCERTAINTY MAY REMAIN EVEN AFTER THIS PHASE II ESA IS COMPLETED

No Environmental Site Assessment (ESA) can wholly eliminate uncertainty regarding the potential for contamination in connection with a property. Our interpretation of subsurface conditions in this study is based on field observations and chemical analytical data from widely spaced sampling locations. It is always possible that contamination exists in areas that were not explored, sampled or analyzed.

# SUBSURFACE CONDITIONS CAN CHANGE

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

#### MOST ENVIRONMENTAL FINDINGS ARE PROFESSIONAL OPINIONS

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted, or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

## DO NOT REDRAW THE EXPLORATION LOGS

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

#### **READ THESE PROVISIONS CLOSELY**

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could



lead to disappointments, claims and disputes. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

# GEOTECHNICAL, GEOLOGIC AND GEOENVIRONMENTAL REPORTS SHOULD NOT BE INTERCHANGED

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

# **BIOLOGICAL POLLUTANTS**

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

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

