Site Assessment

Craigs Texaco Service
108 West Washington Avenue
Yakima, Washington

for
Washington State Department of Ecology

December 5, 2024

523 East Second Avenue
Spokane, Washington 99202
509.363.3125

GeoEngineers

Site Assessment

Craigs Texaco Service
108 West Washington Avenue
Yakima, Washington

File No. 0504-212-00
December 5, 2024

Prepared for:

Washington State Department of Ecology
Toxics Cleanup Program - Central Region Office
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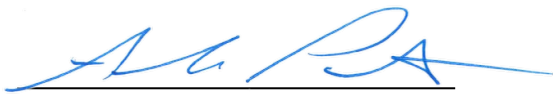

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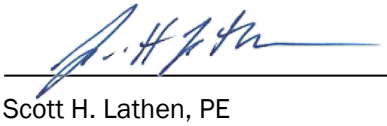

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1.0 Introduction

This report describes soil and groundwater assessment activities conducted at the Craigs Texaco Service (herein referred to as "Site") located at 108 West Washington Avenue in Yakima, Washington, as shown in the attached Vicinity Map, Figure 1. The Washington State Department of Ecology (Ecology) reference numbers for the Site include Facility Site ID (FSID) No. 25269191 and Cleanup Site ID (CSID) No. 5765.

This assessment report has been prepared by GeoEngineers, Inc. (GeoEngineers) under Ecology Master Contract No. C1900044, task work assignment number GEI071. 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 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

Craig's Texaco Service facility is located at 108 West Washington Avenue in Yakima, Washington. Based on city directory records and Google Maps™ images, the Site has operated as an automobile service station, a residential dwelling and a storage shed since 1998. The site is located in a mixed residential and business area, bounded by West Washington Avenue to the north, a private residence to the east, commercial business on the west and an open field to the south. Site features are shown in Site Plan, Figure 2.

2.1 PREVIOUS INVESTIGATIONS

In December 1998, three underground storage tanks (USTs) were decommissioned and removed. The USTs consisted of one 3,000-gallon leaded gasoline tank, one 8,000-gallon leaded gasoline tank, and one 300-gallon heating oil tank. The gasoline tanks were used for retail sale of petroleum products before being discontinued in 1995. The heating oil tank was used for heating the service station building for an unknown amount of time.

Petroleum odors were noted during gasoline UST removal activities. Further excavation revealed heavily stained soil at the groundwater interface at 12 feet below ground surface (bgs). Approximately 50 cubic yards of petroleum-contaminated soil (PCS) were excavated from the gasoline tank basin. An exposed groundwater sample collected from the excavation was reported with gasoline, benzene, toluene, ethylbenzene, xylene and total lead concentrations greater than the Model Toxics Control Act (MTCA) Method A cleanup levels.

Gasoline-contaminated soil was encountered at the bottom of the heating oil tank basin, just above the expected groundwater table. The excavation did not extend into groundwater. Approximately 10 cubic yards of PCS were removed from the heating oil tank basin. Further excavation was not performed due to a suspected off-site contamination source.

Excavated PCS was stockpiled at the back of the property. Offsite disposal was recommended, but it is unknown if the stockpiled soil was removed from the property.

Based on data from the site closure report, groundwater is estimated to be at 12 ft bgs and is anticipated to flow southeast toward the Yakima River.

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.
- AEC advanced eight direct-push borings (GEI071-B1 through GEI071-B8) using direct-push 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 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 26, 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 were selected in conjunction with Ecology to assess former UST excavation areas and anticipated downgradient flow direction. Boring locations are shown in Figure 2.

Anderson Environmental Contracting, LLC (AEC) advanced eight borings (GEI071-B1 through GEI071-B8) on August 12, 2024 with a direct-push drill rig. The soil borings were advanced to about 15 feet below ground surface (bgs). Approximately 7.5 feet of silt was observed overlying course gravel with silt and sand. Groundwater was observed between 9.5 and 14 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.

AEC 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 12, 2024 from temporary well points installed in the borings. Groundwater quality parameters at the time of sampling for the grab groundwater samples are summarized in the table below.

GROUNDWATER FIELD PARAMETERS

SOIL BORING	FIELD MEASURED WATER QUALITY PARAMETERS AT TIME OF SAMPLING						
	APPROXIMATE DEPTH TO GROUNDWATER (FEET BGS)	PH (SU)	SPECIFIC CONDUCTIVITY (MS/CM)	ORP (MV)	DISSOLVED OXYGEN (MG/L)	TURBIDITY (NTU)	TEMPERATURE (DEGREES C)
GEI071-B1	9.97	8.83	1022	198.8	5.55	28.4	17.7
GEI071-B2	9.97	8.44	1084	151.7	2,49	84.83	18.9
GEI071-B3	10.71	8.19	849	132.6	4.22	194.9	21.2
GEI071-B4	10.67	8.67	952	154.1	6.85	38.41	19.8
GEI071-B5	10.08	9.07	1086	157.8	5.07	101.5	18.6
GEI071-B6	10.55	8.80	1143	140.8	6.19	242.18	19.6
GEI071-B7	10.07	9.33	1081	176.4	7.01	28.05	18.8
GEI071-B8	10.40	9.33	1104	173.2	7.40	97.12	17.3

Notes:

bgs = below ground surface; SU=standard units, µS/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 onsite 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.
- Total and dissolved (groundwater) lead using EPA method 6010D.

5.1 SOIL CHEMICAL ANALYTICAL RESULTS

Eight soil samples and a duplicate sample were submitted for 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.

- COCs were either not detected or were detected at concentrations less than their respective MTCA Method A cleanup levels.

5.2 GRAB GROUNDWATER CHEMICAL ANALYTICAL RESULTS

Eight groundwater samples and one duplicate were submitted to Eurofins for analysis of the COCs described above, except for dissolved lead by EPA Method 6010D. Dissolved metal samples were field filtered using a 0.45-micron filter and laboratory filtered using 0.45-micron and 2-micron filters for comparison purposes.

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

- COCs were not detected at concentrations greater than the laboratory reporting limits.

6.0 Summary and Conclusions

Eight soil borings were advanced on August 12, 2024, at the Craigs Texaco Service located at 108 West Washington Avenue in Yakima, Washington. Soil samples were collected from the borings. Grab groundwater samples were collected from the borings through temporary wells.

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

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, Craigs Texaco Service, 108 West Washington Avenue, Yakima, Washington." June 20, 2024. File No. 0504-212-00.

Washington State Department of Ecology. 1999, "Craigs Texaco Services-Site Assessment & Limited Independent Remedial Action." March 1999.

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

Tables

Table 1

Summary of Field Screening Results

Craigs Texaco Service

Yakima, Washington

Soil Boring	Depth (Feet bgs)	PID (ppm)	Sheen
GEI071-B1	1-2	<1	NS
	7-8	<1	NS
	14-15	<1	NS
GEI071-B2	4-5	<1	NS
	8-9	<1	NS
	14-15	<1	NS
GEI071-B3	3-4	2.7	NS
	8-9	1.2	NS
	12-13	2.4	NS
GEI071-B4	3-4	2.7	NS
	7-8	2.7	NS
	13-14	2.7	NS
GEI071-B5	4-5	3	NS
	9-10	3.2	NS
	13-14	3.5	NS
GEI071-B6	3-4	1.3	NS
	7-8	2.2	NS
	12-13	1.2	NS
GEI071-B7	4-5	2	NS
	9-10	1.7	NS
	14-15	1.2	NS
GEI071-B8	4-5	1.7	NS
	8-9	2.7	NS
	14-15	1.4	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 - Soil[1]

Craigs Texaco Service
Yakima, Washington

		Sample Location	**GEI071-B1**		**GEI071-B2**		**GEI071-B3**		**GEI071-B4**		**GEI071-B5**		**GEI071-B6**		**GEI071-B7**		**GEI071-DUP (B8)**		**GEI071-B8**	
		Sample Depth (feet bgs)	**14-15**		**14-15**		**3-4**		**13-14**		**13-14**		**7-8**		**4-5**		**4-5**		**8-9**	
		Sample Date	**8/12/2024**		**8/12/2024**		**8/12/2024**		**8/12/2024**		**8/12/2024**		**8/12/2024**		**8/12/2024**		**8/12/2024**		**8/12/2024**	
Analyte	**MTCA CUL[6]**	**Units**																		
Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dx[2]																				
GRPH	30/100[7]	mg/kg	2.2	U	1.5	U	2.7	U	4.4	U	2.6	U	2.7	U	2.2	U	6	U	2.2	U
DRPH	2,000	mg/kg	**6.3**	**J**	**7.9**	**J**	**9.1**	**J**	**6.5**	**J**	**7.3**	**J**	4.8	U	**27**		4.5	U	**7.6**	**J**
ORPH	2,000	mg/kg	5.6	U	**6.5**	**J**	**31**	**J**	6	U	**6.7**	**J**	5.8	U	**120**		5.3	U	**5.2**	**J**
VOCs[3]																				
Benzene	0.03	mg/kg	0.012	U	0.0082	U	0.015	U	0.024	U	0.015	U	0.015	U	0.012	U	0.035	U	0.012	U
Toluene	7	mg/kg	0.054	U	0.082	U	0.067	U	0.110	U	0.066	U	0.069	U	0.056	U	0.16	U	0.056	U
Ethylbenzene	6	mg/kg	0.020	U	0.013	U	0.024	U	0.040	U	0.024	U	0.025	U	0.020	U	0.056	U	0.020	U
m, p-Xylene	NE	mg/kg	0.035	U	0.023	U	0.042	U	**0.091**	**J**	**0.07**	**J**	0.044	U	0.038	U	0.010	U	0.036	U
o-Xylene	NE	mg/kg	0.028	U	0.019	U	0.034	U	0.056	U	0.034	U	0.035	U	0.029	U	0.080	U	0.029	U
Xylenes (total)	9	mg/kg	0.082	U	0.042	U	0.08	U	0.130	U	0.076	U	0.079	U	0.065	U	0.180	U	0.065	U
1,2-Dichloroethane (EDC)	5	mg/kg	0.028	U	0.018	U	0.032	U	0.053	U	0.032	U	0.033	U	0.027	U	0.076	U	0.027	U
Methyl tert-butyl ether	0.1	mg/kg	0.038	U	0.024	U	0.044	U	0.073	U	0.044	U	0.046	U	0.037	U	0.1	U	0.037	U
Naphthalene	5	mg/kg	0.034	U	0.023	U	**0.056**	**J**	0.068	U	0.041	U	0.043	U	0.035	U	0.097	U	0.035	U
1,2-Dibromoethane (EDB)[4]	0.005	mg/kg	0.000038	U	0.000039	U	0.000046	U	0.000041	U	0.000038	U	0.000039	U	0.000038	U	0.000037	U	0.000034	U
Metals[5]																				
Lead	250	mg/kg	9.3	U	12	U	14	U	14	U	9.6	U	11	U	**59**		12	U	8.9	U

Notes

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

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

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

[4]1,2-Dibromethane (EDB) analyzed using EPA Method 8011.

[5]Metals analyzed using EPA Method 6010D.

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

[7]Gasoline-range hydrocarbons when benzene is present / no detectable benzene.

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.

Table 3

Chemical Analytical Results - Groundwater[1]

Craigs Texaco Service
Yakima, Washington

			GEI071-B1-081224		GEI071-B2:081224		GEI071-B3:081224		GEI071-B4:081224		GEI071-B5-081224		GEI071-B6:081224		GEI071-B7:081224		GEI071-DUP:081224 (B7)		GEI071-B8:081224	
			8/12/2024		8/12/2024		8/12/2024		8/12/2024		8/12/2024		8/12/2024		8/12/2024		8/12/2024		8/12/2024	
Analyte	**MTCA CUL[6]**	**Units**																		
Petroleum Hydrocarbons by NWTPH-Gx and NWTPH-Dxt[2]																				
GRPH	800/1,000[7]	µg/L	54	U	54	U	54	U	54	U	54	U	54	U	54	U	54	U	54	U
DRPH	500	µg/L	110	U	110	U	110	U	110	U	110	U	110	U	110	U	110	U	110	U
ORPH	500	µg/L	130	U	120	U	120	U	120	U	120	U	120	U	120	U	120	U	120	U
VOCs[3]																				
Benzene	5	µg/L	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U
Toluene	1,000	µg/L	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Ethylbenzene	700	µg/L	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
m, p-Xylene	NE	µg/L	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
o-Xylene	NE	µg/L	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Xylenes (total)	1,000	µg/L	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U
1,2-Dichloroethane (EDC)	5	µg/L	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
Methyl tert-butyl ether	20	µg/L	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Naphthalene	160	µg/L	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
1,2-Dibromoethane (EDB)[4]	0.01	µg/L	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U	0.0025	U
Metals[5]																				
Total Lead	15	µg/L	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
Dissolved Lead (0.45 µ filter)	15	µg/L	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
Dissolved Lead (2 µ filter)	15	µg/L	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U

Notes

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

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

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

[4]1,2-Dibromethane (EDB) analyzed using EPA Method 8011.

[5]Metals analyzed using EPA Method 6010D.

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

[8]Gasoline-range hydrocarbons when benzene is present / no detectable benzene.

µg/kg = micrograms per kilogram.

bgs = below ground surface.

NE = not established.

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

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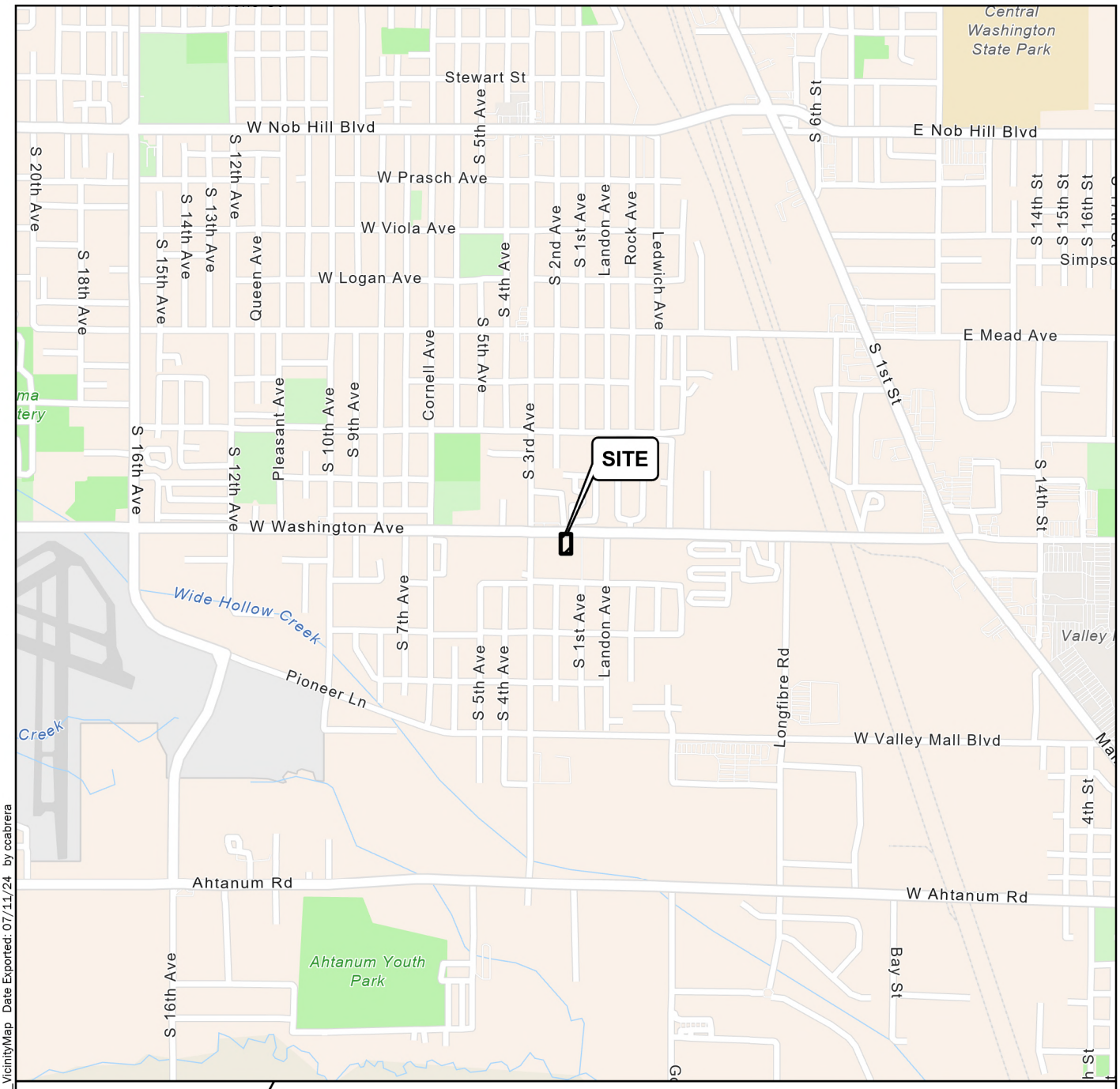
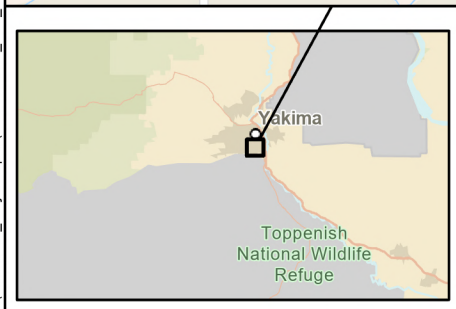
Figures





N

0 2,000

Feet

Source(s):
- ESRI

Coordinate System: NAD 1983 HARN StatePlane Washington South FIPS 4602 Feet

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Vicinity Map

Craig's Texaco Service
Union Gap, Washington

GeoEngineers

Figure 1

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Legend

- Soil Boring Number and Approximate Location
- Investigation Area

0 50

Feet

N

Source(s):
- ESRI Imagery

Coordinate System: NAD 1983 HARN StatePlane Washington South FIPS 4602 Feet

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Site Plan

Craig's Texaco Service
Union Gap, Washington

GeoEngineers

Figure 2

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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 eight borings and installing temporary wells at the approximate locations shown in Figure 2. The borings were advanced to 15 feet below existing site grade using a 7822DT direct-push 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 12, 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.
- DO: +/- 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.

Appendix B
Boring Logs

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS
				SP	POORLY-GRADED SANDS, GRAVELLY SAND
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

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

Sampler Symbol Descriptions

- Modified California Sampler (6-inch sleeve) or Dames & Moore
- Standard Penetration Test (SPT)
- Shelby tube
- Piston
- Direct-Push
- Bulk or grab
- Continuous Coring

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

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

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

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
	AC	Asphalt Concrete
	CC	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

%F	Percent fines
%G	Percent gravel
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DD	Dry density
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
Mohs	Mohs hardness scale
OC	Organic content
PM	Permeability or hydraulic conductivity
PI	Plasticity index
PL	Point load test
PP	Pocket penetrometer
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
UU	Unconsolidated undrained triaxial compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen

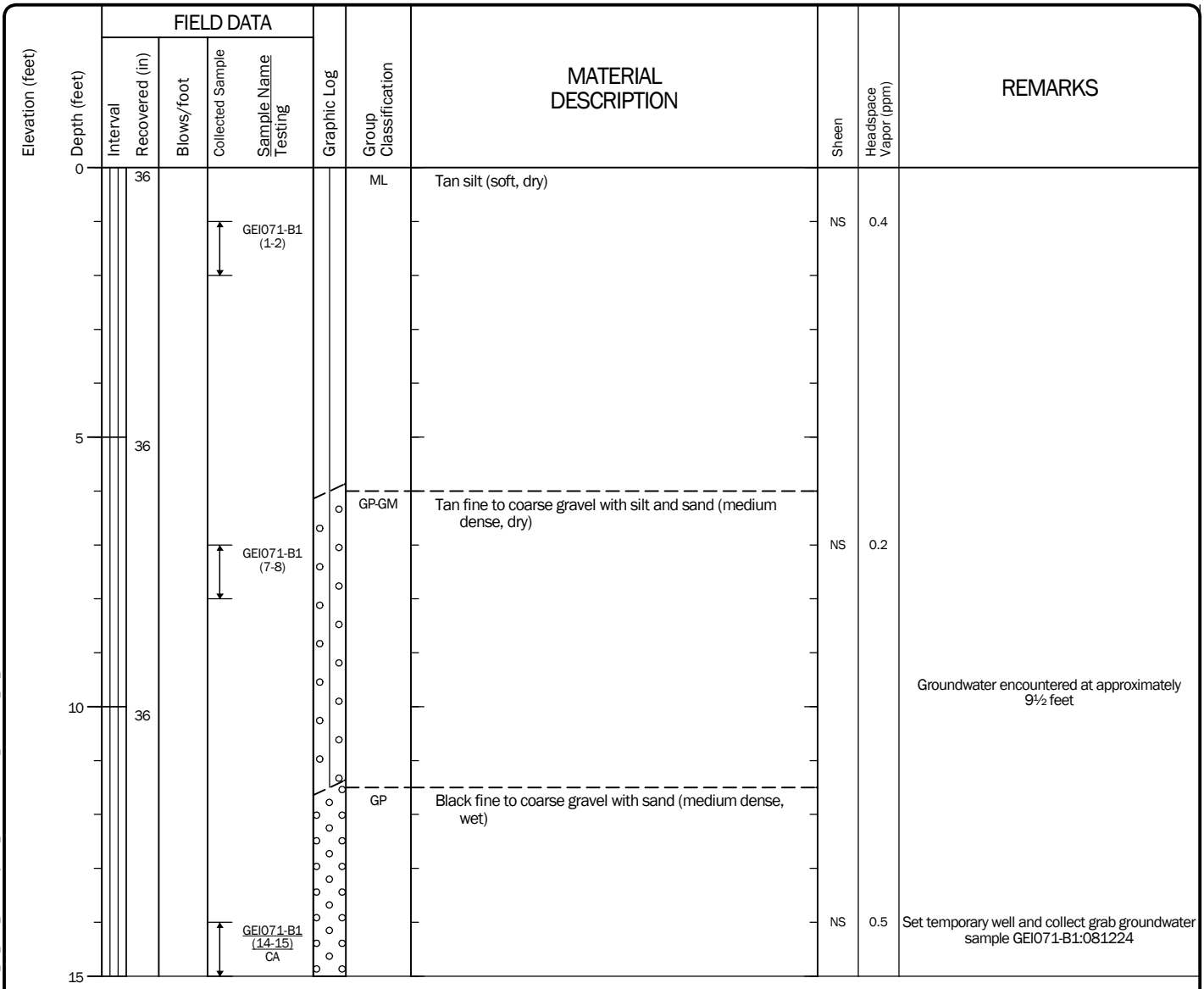
NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative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

Key to Exploration Logs

GeoEngineers

Figure A-1

Drilled Start 8/12/2024 End 8/12/2024	Total Depth (ft) 15	Logged By MS Checked By APP	Driller AEC		Drilling Method Direct-Push
Surface Elevation (ft) Vertical Datum	Undetermined	Hammer Data		Drilling Equipment	GeoProbe 7822DT
Latitude 46.570416 Longitude -120.507548		System Datum		See "Remarks" section for groundwater observed	
Notes:					



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

Log of Boring GEI071-B1

GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-2
Sheet 1 of 1

Drilled	Start 8/12/2024	End 8/12/2024	Total Depth (ft)	15	Logged By	MS	Driller	AEC	Drilling Method	Direct-Push
					Checked By	APP				

Surface Elevation (ft) Vertical Datum	Undetermined	Hammer Data		Drilling Equipment	GeoProbe 7822DT
Latitude Longitude	46.570501 -120.507582	System Datum		See "Remarks" section for groundwater observed	

Notes:

Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name / Testing	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
0		36					ML	Tan silt (soft, dry)			
					GEI071-B2 (4-5)				NS	0.5	
5		36									
					GEI071-B2 (8-9)		GP-GM	Gray-brown fine to coarse gravel with silt and sand (medium dense, dry)	NS	0.7	
10		36									Groundwater encountered at approximately 9½ feet
					GEI071-B2 (14-15) CA		GP	Black fine to coarse gravel with sand (medium dense, wet)	NS	0.7	Set temporary well and collect grab groundwater sample GEI071-B2:081224
15											

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

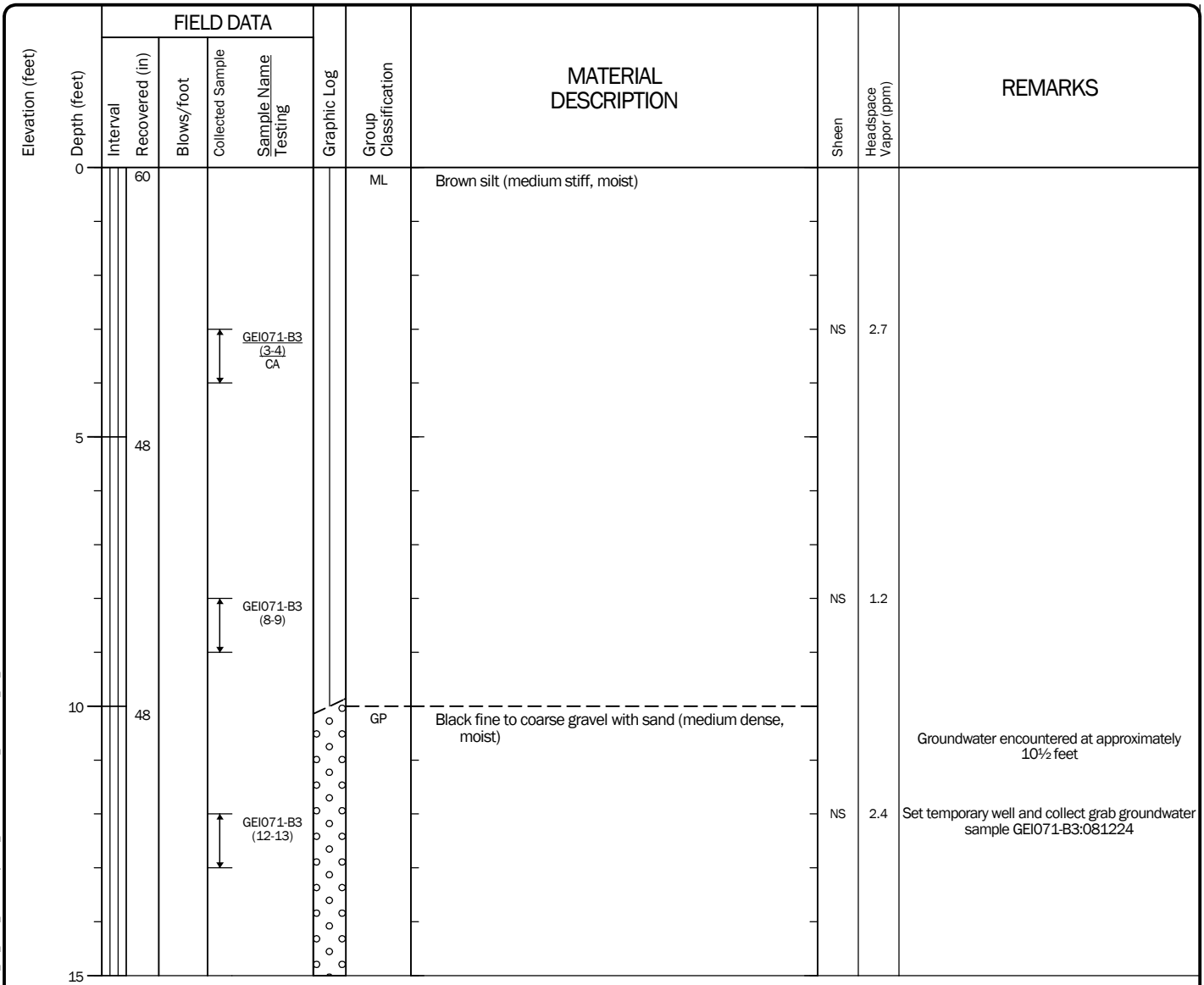
Log of Boring GEI071-B2

GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-3
Sheet 1 of 1

Drilled Start 8/12/2024 End 8/12/2024	Total Depth (ft) 15	Logged By MS Checked By APP	Driller AEC	Drilling Method Direct-Push	
Surface Elevation (ft) Vertical Datum Undetermined		Hammer Data		Drilling Equipment GeoProbe 7822DT	
Latitude 46.570614 Longitude -120.507688		System Datum		See "Remarks" section for groundwater observed	
Notes:					



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

Log of Boring GEI071-B3

GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-4
Sheet 1 of 1

Drilled	Start 8/12/2024	End 8/12/2024	Total Depth (ft)	15	Logged By	MS	Driller	AEC	Drilling Method	Direct-Push
					Checked By	APP				

Surface Elevation (ft) Vertical Datum	Undetermined	Hammer Data		Drilling Equipment	GeoProbe 7822DT
Latitude	46.570603	System Datum		See "Remarks" section for groundwater observed	
Longitude	-120.507914				

Notes:

Elevation (feet)	Depth (feet)	FIELD DATA: Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	0		60					ML	Brown silt (stiff, moist)			
						GEI071-B4 (3-4)				NS	2.7	
	5		60									
						GEI071-B4 (7-8)				NS	2.7	
								GP	Gray-black fine to coarse gravel (medium dense, moist)			
	10		36									Groundwater encountered at approximately 10½ feet
						GEI071-B4 (13-14) CA				NS	2.7	Set temporary well and collect grab groundwater sample GEI071-B4:081224
	15											

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

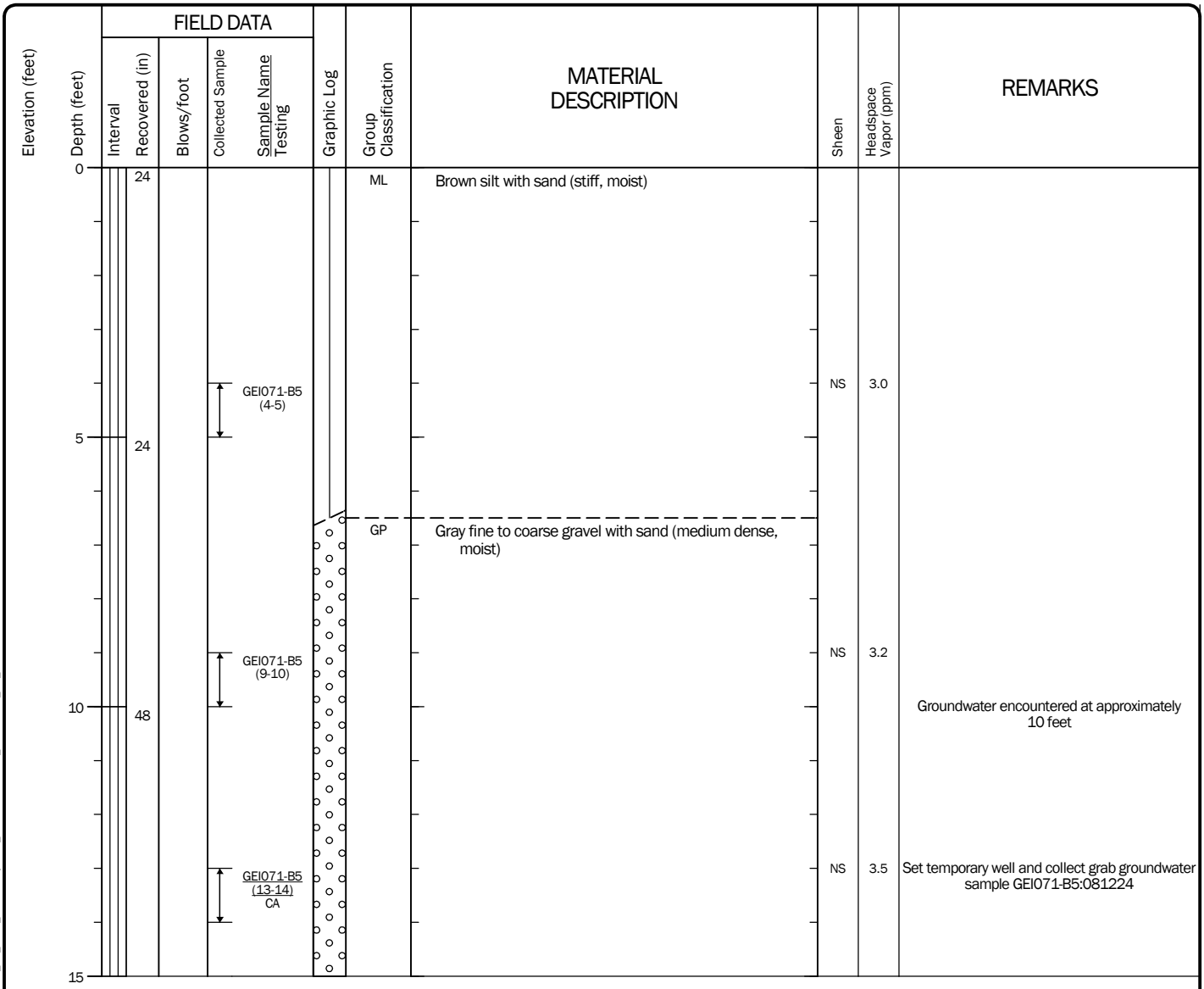
Log of Boring GEI071-B4

GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-5
Sheet 1 of 1

Drilled Start 8/12/2024 End 8/12/2024	Total Depth (ft) 15	Logged By MS Checked By APP	Driller AEC	Drilling Method Direct-Push	
Surface Elevation (ft) Vertical Datum Undetermined		Hammer Data		Drilling Equipment GeoProbe 7822DT	
Latitude 46.570551 Longitude -120.507908		System Datum		See "Remarks" section for groundwater observed	
Notes:					



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

Log of Boring GEI071-B5

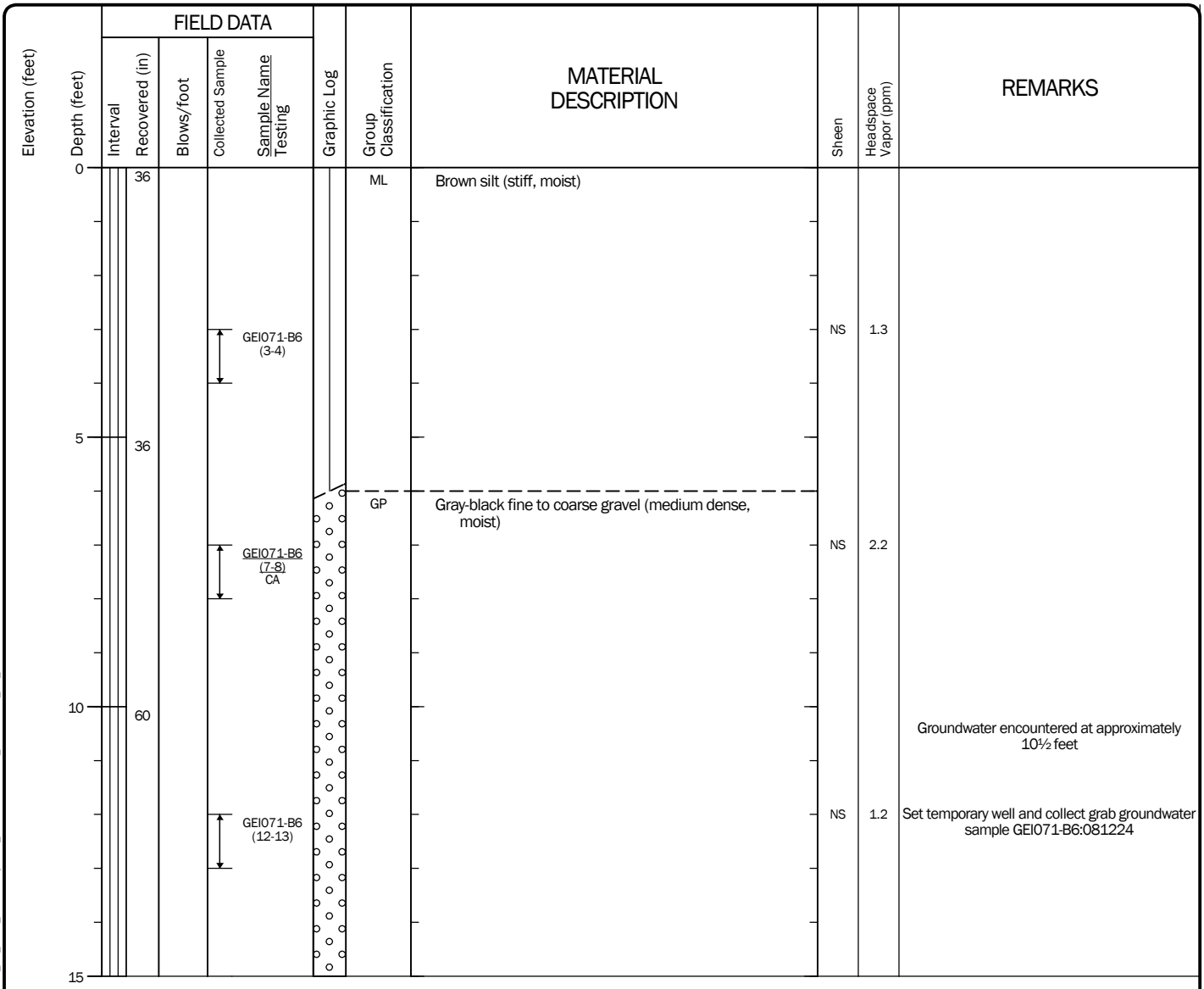
GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-6
Sheet 1 of 1

Drilled	Start 8/12/2024	End 8/12/2024	Total Depth (ft) 15	Logged By MS / Checked By APP	Driller AEC	Drilling Method Direct-Push
Surface Elevation (ft) Vertical Datum	Undetermined		Hammer Data		Drilling Equipment	GeoProbe 7822DT
Latitude / Longitude	46.570547 / -120.50783		System Datum		See "Remarks" section for groundwater observed	

Notes:



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

Log of Boring GEI071-B6

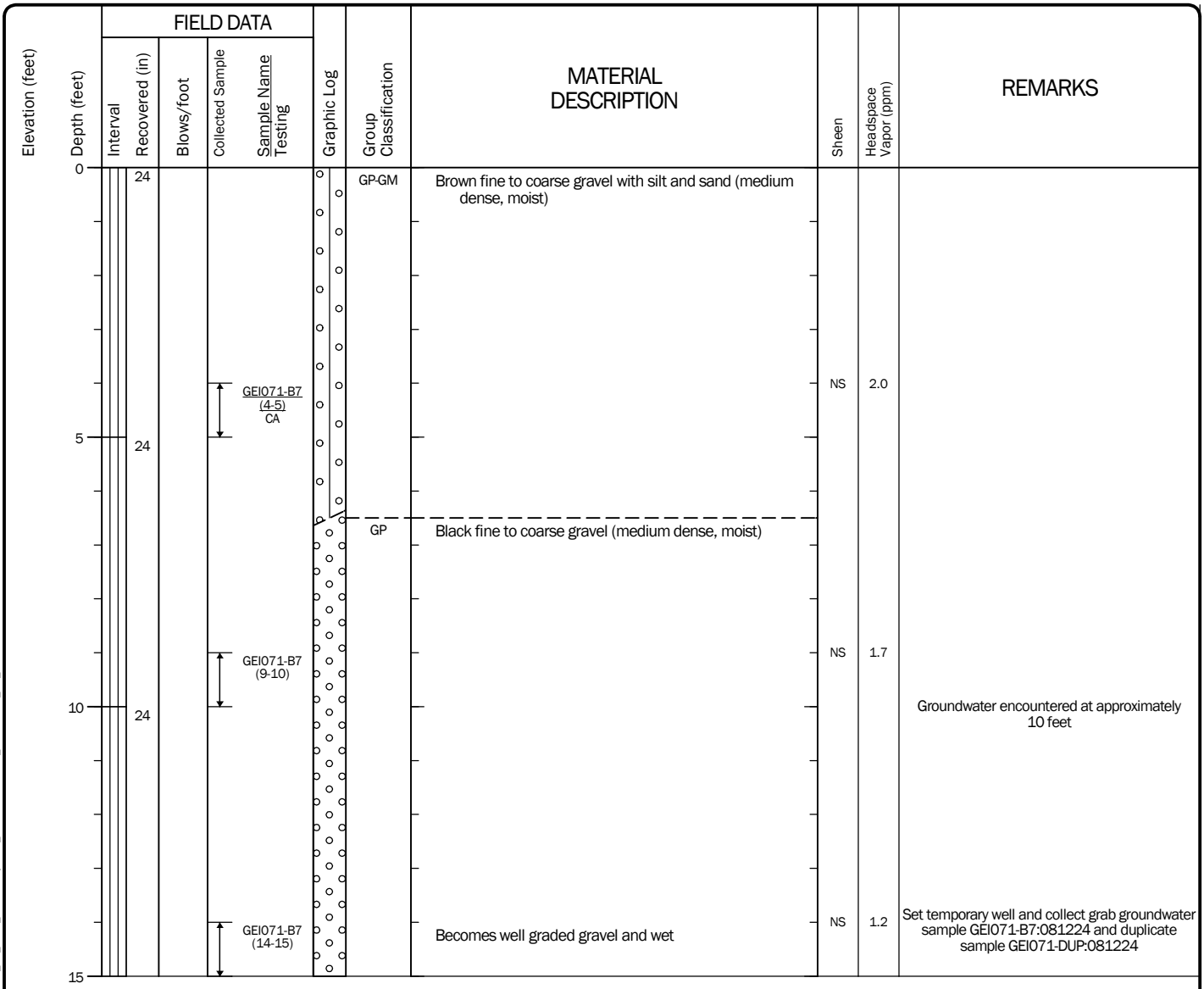
GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-7
Sheet 1 of 1

Drilled	Start 8/12/2024	End 8/12/2024	Total Depth (ft) 15	Logged By MS / Checked By APP	Driller AEC	Drilling Method Direct-Push
Surface Elevation (ft) / Vertical Datum	Undetermined		Hammer Data		Drilling Equipment	GeoProbe 7822DT
Latitude / Longitude	46.57057 / -120.507751		System Datum		See "Remarks" section for groundwater observed	

Notes:



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

Log of Boring GEI071-B7

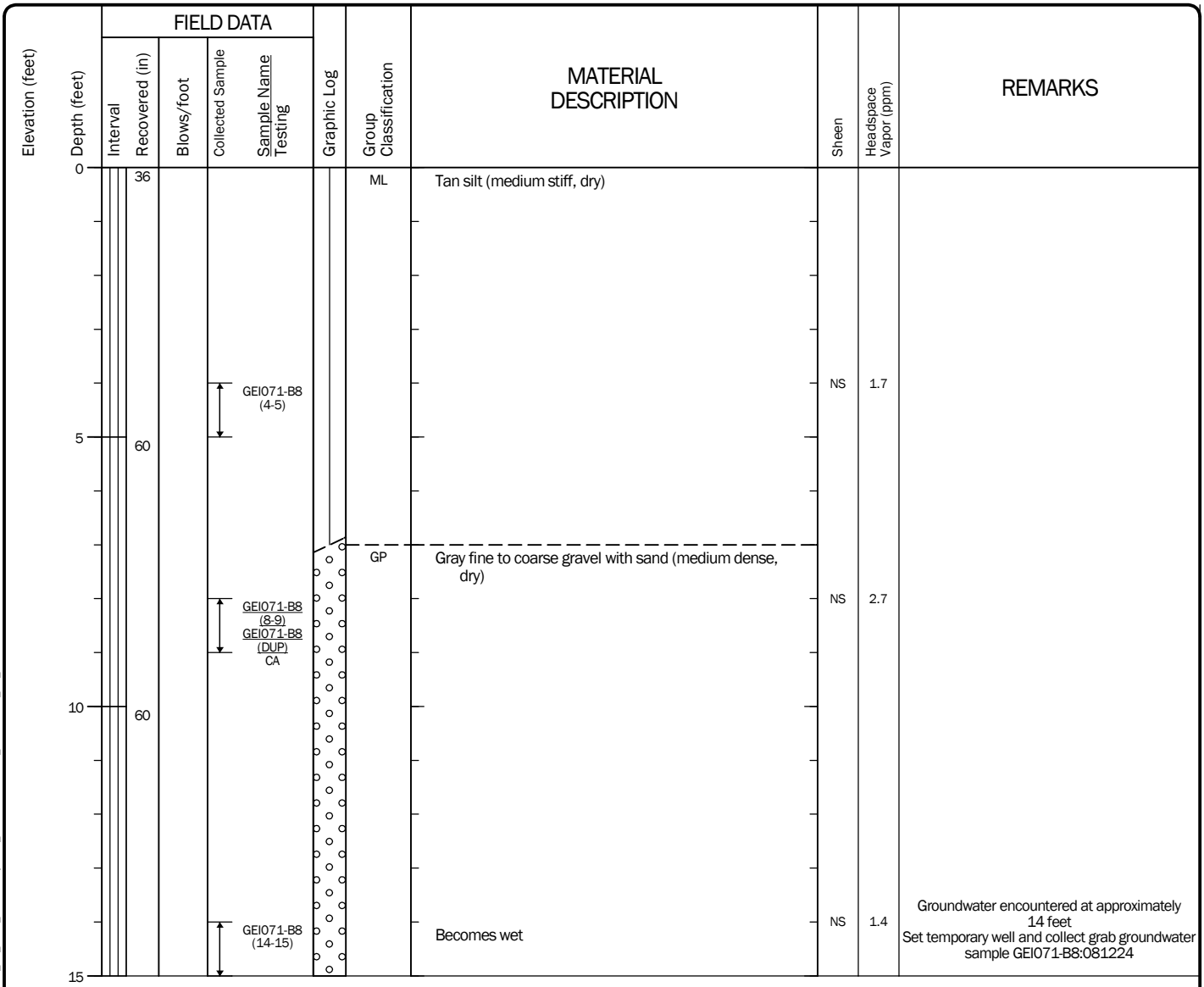
GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-8
Sheet 1 of 1

Drilled	Start 8/12/2024	End 8/12/2024	Total Depth (ft) 15	Logged By MS / Checked By APP	Driller AEC	Drilling Method Direct-Push
Surface Elevation (ft) / Vertical Datum	Undetermined		Hammer Data		Drilling Equipment	GeoProbe 7822DT
Latitude / Longitude	46.570284 / -120.507772		System Datum		See "Remarks" section for groundwater observed	

Notes:



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

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Log of Boring GEI071-B8

GeoEngineers

Project: Craigs Texaco Service
Project Location: Yakima, Washington
Project Number: 0504-212-00

Figure B-9
Sheet 1 of 1

Appendix C
IDW Disposal Documentation

T535 511384 MU640

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	866-472-9627	100224NH3

GENERATOR

5. Generator's Name and Mailing Address
WA Department of Ecology
110 W Washington Ave
union gap, WA 98903
Generator's Phone: 208-258-8328

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Graymar Environmental Services — U.S. EPA ID Number: WAH000055713

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management of the NW, Inc.
17629 Cedar Springs Lane
Arlington, OR 97812
Facility's Phone: 5414542643

U.S. EPA ID Number: ORD089452353

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NONRCRA / NONDOT REGULATED MATERIAL (IDW SOIL)	1	DM	300	P	
2.	NONRCRA / NONDOT REGULATED MATERIAL (IDW WATER)	1	DM	250	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
01: (OR360858) IDW Soil
02: (OR360859) IDW Water

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: on behalf of WA Dept of Ecology Alex Sanchez — Signature: Alex Sanchez — Month: 10 — Day: 2 — Year: 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Alex Sanchez — Signature: Alex Sanchez — Month: 10 — Day: 2 — Year: 24

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Dawn Dunlap — Signature — Month: 10 — Day: 22 — Year: 24

169-BLC-O 5 11977 (Rev. 9/09)

TRANSPORTER #1

Appendix D

Chemical Analytical Laboratory Reports and Data Validation

GeoEngineers

Data Validation Report

523 East Second Avenue, Spokane, Washington 99202, Telephone: 509.363.3125 www.geoengineers.com

Project:	Craig's Texaco Service – Environmental Services August 2024 Soil and Groundwater Samples
File:	0504-212-00
Date:	September 6, 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 Craig's Texaco Service facility located at 108 West Washington Avenue in Yakima, 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

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
590-26412-1	GEI071-B1(14-15), GEI071-B1-081224, GEI071-B1-081224 (2 MICRON), GEI071-B2(14-15), GEI071-B2-081224, GEI071-B2-081224 (2 MICRON), GEI071-B3(3-4), GEI071-B3-081224, GEI071-B3-081224 (2 MICRON), GEI071-B4(13-14), GEI071-B4-081224, GEI071-B4-081224 (2 MICRON), GEI071-B5(13-14), GEI071-B5-081224, GEI071-B5-081224 (2 MICRON), GEI071-B6(7-8), GEI071-B6-081224, GEI071-B6-081224 (2 MICRON), GEI071-B7(4-5), GEI071-B7-081224, GEI071-DUP-081224, GEI071-B7-081224 (2 MICRON), GEI071-DUP-081224 (2 MICRON), GEI071-B8(8-9), GEI071-DUP, GEI071-B8-081224, GEI071-B8-081224 (2 MICRON), GEI071-COMP, TRIP BLANK-20240812-S, TRIP BLANK-20240812-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;
- 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.

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 590-26412-1: (VOCs) The percent recoveries for surrogates 1,2-Dichloroethane-d4 and dibromofluoromethane were greater than the control limits in Sample GEI071-B3-081224. There were no positive results for the VOC target analytes in this sample; therefore, no qualifications were required.

The percent recovery for surrogate dibromofluoromethane was greater than the control limits in Samples GEI071-B5(13-14), GEI071-B6(7-8), GEI071-B7(4-5), and GEI071-B8(8-9); 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 blanks.

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.

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 590-26412-1: (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 digested on 8/27/2024. 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 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.

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 590-26412-1: Three field duplicate sample pairs were submitted with this SDG:

- GEI071-B8(8-9)/GEI071-DUP (Field duplicate parent sample is Sample GEI071-B8(4-5), which was not analyzed. Sample GEI071-B8(8-9) was used as the parent sample.)
- GEI071-B7-081224/GEI071-DUP-081224
- GEI071-B7-081224 (2 MICRON)/GEI071-DUP-081224 (2 MICRON)

The precision criteria for the target analytes were met for these sample pairs.

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 exception noted above.

No analytical results were qualified. The data are acceptable for the intended use.

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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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Craigs Texaco Service/0504-212-00

JOB NUMBER

590-26412-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

Job Notes

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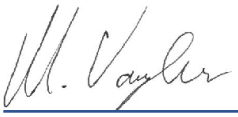
Authorization



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Job Narrative
590-26412-1

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.

Receipt
The samples were received on 8/14/2024 10:00 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 4.5°C.

Gasoline Range Organics
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 sample was outside the upper control limit: GEI071-B3-081224 (590-26412-30). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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.

Method 8260D: Surrogate recovery for the following samples were outside the upper control limit: GEI071-B5(13-14) (590-26412-15), GEI071-B6(7-8) (590-26412-17), GEI071-B7(4-5) (590-26412-19) and GEI071-B8(8-9) (590-26412-23). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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: The continuing calibration verification (CCV) associated with batch 590-49187 recovered above the upper control limit for Residual Range Organics (RRO) (C25-C36). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GEI071-B1-081224 (590-26412-28), GEI071-B2-081224 (590-26412-29), GEI071-B3-081224 (590-26412-30), GEI071-B4-081224 (590-26412-31), GEI071-B5-081224 (590-26412-32) and (CCVRT 590-49187/4).

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 590-49248 and analytical batch 590-49322 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 laboratory control sample (LCS) for preparation batch 590-49248 and analytical batch 590-49301 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.

Job ID: 590-26412-1 (Continued)

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
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-26412-3	GEI071-B1(14-15)	Solid	08/12/24 09:09	08/14/24 10:00
590-26412-6	GEI071-B2(14-15)	Solid	08/12/24 09:51	08/14/24 10:00
590-26412-7	GEI071-B3(3-4)	Solid	08/12/24 10:20	08/14/24 10:00
590-26412-12	GEI071-B4(13-14)	Solid	08/12/24 11:32	08/14/24 10:00
590-26412-15	GEI071-B5(13-14)	Solid	08/12/24 12:20	08/14/24 10:00
590-26412-17	GEI071-B6(7-8)	Solid	08/12/24 13:56	08/14/24 10:00
590-26412-19	GEI071-B7(4-5)	Solid	08/12/24 14:48	08/14/24 10:00
590-26412-23	GEI071-B8(8-9)	Solid	08/12/24 16:00	08/14/24 10:00
590-26412-25	Trip Blank	Solid	08/12/24 00:00	08/14/24 10:00
590-26412-26	GEI071-DUP	Solid	08/12/24 12:00	08/14/24 10:00
590-26412-27	GEI071-COMP	Solid	08/12/24 17:00	08/14/24 10:00
590-26412-28	GEI071-B1-081224	Water	08/12/24 11:40	08/14/24 10:00
590-26412-29	GEI071-B2-081224	Water	08/12/24 12:50	08/14/24 10:00
590-26412-30	GEI071-B3-081224	Water	08/12/24 13:45	08/14/24 10:00
590-26412-31	GEI071-B4-081224	Water	08/12/24 14:50	08/14/24 10:00
590-26412-32	GEI071-B5-081224	Water	08/12/24 15:40	08/14/24 10:00
590-26412-33	GEI071-B6-081224	Water	08/12/24 16:30	08/14/24 10:00
590-26412-34	GEI071-B7-081224	Water	08/12/24 17:20	08/14/24 10:00
590-26412-35	GEI071-B8-081224	Water	08/12/24 17:08	08/14/24 10:00
590-26412-36	GEI071-DUP-081224	Water	08/12/24 12:05	08/14/24 10:00
590-26412-37	Trip Blank	Water	08/12/24 00:00	08/14/24 10:00
590-26412-38	GEI071-B1-081224 (2 micron)	Water	08/12/24 11:40	08/14/24 10:00
590-26412-39	GEI071-B2-081224 (2 micron)	Water	08/12/24 12:50	08/14/24 10:00
590-26412-40	GEI071-B3-081224 (2 micron)	Water	08/12/24 13:45	08/14/24 10:00
590-26412-41	GEI071-B4-081224 (2 micron)	Water	08/12/24 14:50	08/14/24 10:00
590-26412-42	GEI071-B5-081224 (2 micron)	Water	08/12/24 15:40	08/14/24 10:00
590-26412-43	GEI071-B6-081224 (2 micron)	Water	08/12/24 16:30	08/14/24 10:00
590-26412-44	GEI071-B7-081224 (2 micron)	Water	08/12/24 17:20	08/14/24 10:00
590-26412-45	GEI071-B8-081224 (2 micron)	Water	08/12/24 17:08	08/14/24 10:00
590-26412-46	GEI071-DUP-081224 (2 micron)	Water	08/12/24 12:05	08/14/24 10:00

Definitions/Glossary

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

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, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD 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.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: GEI071-B1(14-15)
Lab Sample ID: 590-26412-3

Date Collected: 08/12/24 09:09
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.12	0.026	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
Benzene	ND		0.024	0.012	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
Ethylbenzene	ND		0.12	0.020	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
m,p-Xylene	ND		0.48	0.035	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
Methyl tert-butyl ether	ND		0.060	0.036	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
Naphthalene	ND		0.24	0.034	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
o-Xylene	ND		0.24	0.028	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
Toluene	ND		0.12	0.054	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1
Xylenes, Total	ND		0.72	0.062	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*79 - 124*	*08/19/24 10:36*	*08/19/24 15:53*	*1*
4-Bromofluorobenzene (Surr)	*110*		*66 - 129*	*08/19/24 10:36*	*08/19/24 15:53*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*	*08/19/24 10:36*	*08/19/24 15:53*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/19/24 10:36*	*08/19/24 15:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.0	2.2	mg/Kg	☼	08/19/24 10:36	08/19/24 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 15:53*	*1*

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		0.087	0.038	ug/Kg	☼	08/14/24 15:24	08/14/24 23:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**6.3**	**J**	11	4.7	mg/Kg	☼	08/15/24 13:14	08/16/24 10:57	1
Residual Range Organics (RRO) (C25-C36)	ND		28	5.6	mg/Kg	☼	08/15/24 13:14	08/16/24 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*08/15/24 13:14*	*08/16/24 10:57*	*1*
n-Triacontane-d62	*83*		*50 - 150*	*08/15/24 13:14*	*08/16/24 10:57*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		19	9.3	mg/Kg	☼	08/27/24 11:06	08/28/24 23:22	10

Client Sample ID: GEI071-B2(14-15)
Lab Sample ID: 590-26412-6

Date Collected: 08/12/24 09:51
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.082	0.018	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1
Benzene	ND		0.016	0.0082	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1
Ethylbenzene	ND		0.082	0.013	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1
m,p-Xylene	ND		0.33	0.023	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1

Client Sample ID: GEI071-B2(14-15)

Lab Sample ID: 590-26412-6
Date Collected: 08/12/24 09:51
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.041	0.024	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1
Naphthalene	ND		0.16	0.023	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1
o-Xylene	ND		0.16	0.019	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1
Toluene	ND		0.082	0.037	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1
Xylenes, Total	ND		0.49	0.042	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*	*08/19/24 10:36*	*08/19/24 16:43*	*1*
4-Bromofluorobenzene (Surr)	*109*		*66 - 129*	*08/19/24 10:36*	*08/19/24 16:43*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/19/24 10:36*	*08/19/24 16:43*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/19/24 10:36*	*08/19/24 16:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.1	1.5	mg/Kg	☼	08/19/24 10:36	08/19/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 16:43*	*1*

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		0.088	0.039	ug/Kg	☼	08/14/24 15:24	08/14/24 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**7.9**	**J**	12	4.9	mg/Kg	☼	08/15/24 13:14	08/16/24 11:15	1
Residual Range Organics (RRO) (C25-C36)	**6.5**	**J**	29	5.8	mg/Kg	☼	08/15/24 13:14	08/16/24 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*08/15/24 13:14*	*08/16/24 11:15*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*08/15/24 13:14*	*08/16/24 11:15*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		25	12	mg/Kg	☼	08/27/24 11:06	08/28/24 23:27	10

Client Sample ID: GEI071-B3(3-4)

Lab Sample ID: 590-26412-7
Date Collected: 08/12/24 10:20
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 72.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.15	0.032	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1
Benzene	ND		0.030	0.015	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1
Ethylbenzene	ND		0.15	0.024	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1
m,p-Xylene	ND		0.59	0.042	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1
Methyl tert-butyl ether	ND		0.074	0.044	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1
Naphthalene	**0.056**	**J**	0.30	0.041	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1
o-Xylene	ND		0.30	0.034	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1
Toluene	ND		0.15	0.067	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1

Client Sample ID: GEI071-B3(3-4)

Lab Sample ID: 590-26412-7
Date Collected: 08/12/24 10:20
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 72.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.89	0.076	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*	*08/19/24 10:36*	*08/19/24 18:22*	*1*
4-Bromofluorobenzene (Surr)	*110*		*66 - 129*	*08/19/24 10:36*	*08/19/24 18:22*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*	*08/19/24 10:36*	*08/19/24 18:22*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/19/24 10:36*	*08/19/24 18:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.4	2.7	mg/Kg	☼	08/19/24 10:36	08/19/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 18:22*	*1*

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		0.11	0.046	ug/Kg	☼	08/14/24 15:24	08/15/24 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**9.1**	**J**	13	5.5	mg/Kg	☼	08/15/24 13:14	08/16/24 11:31	1
Residual Range Organics (RRO) (C25-C36)	**31**	**J**	33	6.5	mg/Kg	☼	08/15/24 13:14	08/16/24 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*50 - 150*	*08/15/24 13:14*	*08/16/24 11:31*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*08/15/24 13:14*	*08/16/24 11:31*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		28	14	mg/Kg	☼	08/27/24 11:06	08/28/24 23:31	10

Client Sample ID: GEI071-B4(13-14)

Lab Sample ID: 590-26412-12
Date Collected: 08/12/24 11:32
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.24	0.053	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
Benzene	ND		0.049	0.024	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
Ethylbenzene	ND		0.24	0.040	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
m,p-Xylene	**0.091**	**J**	0.98	0.070	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
Methyl tert-butyl ether	ND		0.12	0.073	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
Naphthalene	ND		0.49	0.068	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
o-Xylene	ND		0.49	0.056	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
Toluene	ND		0.24	0.11	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1
Xylenes, Total	ND		1.5	0.13	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*79 - 124*	*08/19/24 10:36*	*08/19/24 18:48*	*1*

Client Sample ID: GEI071-B4(13-14)

Lab Sample ID: 590-26412-12
Date Collected: 08/12/24 11:32
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 83.8

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*66 - 129*	*08/19/24 10:36*	*08/19/24 18:48*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*	*08/19/24 10:36*	*08/19/24 18:48*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/19/24 10:36*	*08/19/24 18:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		12	4.4	mg/Kg	☼	08/19/24 10:36	08/19/24 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 18:48*	*1*

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		0.094	0.041	ug/Kg	☼	08/14/24 15:24	08/15/24 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**6.5**	**J**	12	5.0	mg/Kg	☼	08/15/24 13:14	08/16/24 11:51	1
Residual Range Organics (RRO) (C25-C36)	ND		30	6.0	mg/Kg	☼	08/15/24 13:14	08/16/24 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*08/15/24 13:14*	*08/16/24 11:51*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*08/15/24 13:14*	*08/16/24 11:51*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		28	14	mg/Kg	☼	08/27/24 11:06	08/28/24 23:35	10

Client Sample ID: GEI071-B5(13-14)

Lab Sample ID: 590-26412-15
Date Collected: 08/12/24 12:20
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.15	0.032	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
Benzene	ND		0.029	0.015	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
Ethylbenzene	ND		0.15	0.024	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
m,p-Xylene	**0.070**	**J**	0.59	0.042	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
Methyl tert-butyl ether	ND		0.073	0.044	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
Naphthalene	ND		0.29	0.041	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
o-Xylene	ND		0.29	0.034	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
Toluene	ND		0.15	0.066	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1
Xylenes, Total	ND		0.88	0.076	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*79 - 124*	*08/19/24 10:36*	*08/19/24 19:13*	*1*
4-Bromofluorobenzene (Surr)	*106*		*66 - 129*	*08/19/24 10:36*	*08/19/24 19:13*	*1*
Dibromofluoromethane (Surr)	*124*	*S1+*	*80 - 120*	*08/19/24 10:36*	*08/19/24 19:13*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/19/24 10:36*	*08/19/24 19:13*	*1*

Client Sample ID: GEI071-B5(13-14)

Lab Sample ID: 590-26412-15
Date Collected: 08/12/24 12:20
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.3	2.6	mg/Kg	☼	08/19/24 10:36	08/19/24 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 19:13*	*1*

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		0.087	0.038	ug/Kg	☼	08/14/24 15:24	08/15/24 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**7.3**	**J**	11	4.7	mg/Kg	☼	08/15/24 13:14	08/16/24 12:08	1
Residual Range Organics (RRO) (C25-C36)	**6.7**	**J**	28	5.6	mg/Kg	☼	08/15/24 13:14	08/16/24 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*08/15/24 13:14*	*08/16/24 12:08*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*08/15/24 13:14*	*08/16/24 12:08*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		20	9.6	mg/Kg	☼	08/27/24 11:06	08/28/24 23:39	10

Client Sample ID: GEI071-B6(7-8)

Lab Sample ID: 590-26412-17
Date Collected: 08/12/24 13:56
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.15	0.033	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
Benzene	ND		0.031	0.015	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
Ethylbenzene	ND		0.15	0.025	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
m,p-Xylene	ND		0.61	0.044	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
Methyl tert-butyl ether	ND		0.076	0.046	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
Naphthalene	ND		0.31	0.043	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
o-Xylene	ND		0.31	0.035	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
Toluene	ND		0.15	0.069	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1
Xylenes, Total	ND		0.92	0.079	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*79 - 124*	*08/19/24 10:36*	*08/19/24 19:38*	*1*
4-Bromofluorobenzene (Surr)	*103*		*66 - 129*	*08/19/24 10:36*	*08/19/24 19:38*	*1*
Dibromofluoromethane (Surr)	*124*	*S1+*	*80 - 120*	*08/19/24 10:36*	*08/19/24 19:38*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/19/24 10:36*	*08/19/24 19:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.6	2.7	mg/Kg	☼	08/19/24 10:36	08/19/24 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 19:38*	*1*

Client Sample ID: GEI071-B6(7-8)

Lab Sample ID: 590-26412-17
Date Collected: 08/12/24 13:56
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 83.3

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		0.090	0.039	ug/Kg	☼	08/14/24 15:24	08/15/24 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		12	4.8	mg/Kg	☼	08/15/24 13:14	08/16/24 12:49	1
Residual Range Organics (RRO) (C25-C36)	ND		29	5.8	mg/Kg	☼	08/15/24 13:14	08/16/24 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*08/15/24 13:14*	*08/16/24 12:49*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*08/15/24 13:14*	*08/16/24 12:49*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		23	11	mg/Kg	☼	08/27/24 11:06	08/28/24 23:43	10

Client Sample ID: GEI071-B7(4-5)

Lab Sample ID: 590-26412-19
Date Collected: 08/12/24 14:48
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.12	0.027	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
Benzene	ND		0.025	0.012	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
Ethylbenzene	ND		0.12	0.020	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
m,p-Xylene	ND		0.50	0.036	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
Methyl tert-butyl ether	ND		0.062	0.037	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
Naphthalene	ND		0.25	0.035	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
o-Xylene	ND		0.25	0.029	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
Toluene	ND		0.12	0.056	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1
Xylenes, Total	ND		0.75	0.065	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*79 - 124*	*08/19/24 10:36*	*08/19/24 20:02*	*1*
4-Bromofluorobenzene (Surr)	*104*		*66 - 129*	*08/19/24 10:36*	*08/19/24 20:02*	*1*
Dibromofluoromethane (Surr)	*124*	*S1+*	*80 - 120*	*08/19/24 10:36*	*08/19/24 20:02*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/19/24 10:36*	*08/19/24 20:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.2	2.2	mg/Kg	☼	08/19/24 10:36	08/19/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 20:02*	*1*

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		0.088	0.038	ug/Kg	☼	08/14/24 15:24	08/15/24 01:27	1

Client Sample ID: GEI071-B7(4-5)

Lab Sample ID: 590-26412-19
Date Collected: 08/12/24 14:48
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	27		11	4.7	mg/Kg	☼	08/15/24 13:14	08/16/24 13:09	1
Residual Range Organics (RRO) (C25-C36)	120		28	5.6	mg/Kg	☼	08/15/24 13:14	08/16/24 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*08/15/24 13:14*	*08/16/24 13:09*	*1*
n-Triacontane-d62	*93*		*50 - 150*	*08/15/24 13:14*	*08/16/24 13:09*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	59		23	11	mg/Kg	☼	08/27/24 11:06	08/28/24 23:47	10

Client Sample ID: GEI071-B8(8-9)

Lab Sample ID: 590-26412-23
Date Collected: 08/12/24 16:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 96.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.12	0.027	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
Benzene	ND		0.025	0.012	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
Ethylbenzene	ND		0.12	0.020	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
m,p-Xylene	ND		0.50	0.036	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
Methyl tert-butyl ether	ND		0.062	0.037	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
Naphthalene	ND		0.25	0.035	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
o-Xylene	ND		0.25	0.029	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
Toluene	ND		0.12	0.056	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1
Xylenes, Total	ND		0.75	0.065	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*79 - 124*	*08/19/24 10:36*	*08/19/24 20:27*	*1*
4-Bromofluorobenzene (Surr)	*105*		*66 - 129*	*08/19/24 10:36*	*08/19/24 20:27*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*	*08/19/24 10:36*	*08/19/24 20:27*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/19/24 10:36*	*08/19/24 20:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.2	2.2	mg/Kg	☼	08/19/24 10:36	08/19/24 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 20:27*	*1*

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		0.077	0.034	ug/Kg	☼	08/14/24 15:24	08/15/24 01:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	7.6	J	9.8	4.1	mg/Kg	☼	08/15/24 13:14	08/16/24 13:29	1
Residual Range Organics (RRO) (C25-C36)	5.2	J	25	4.9	mg/Kg	☼	08/15/24 13:14	08/16/24 13:29	1

Client Sample ID: GEI071-B8(8-9)

Lab Sample ID: 590-26412-23
Date Collected: 08/12/24 16:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 96.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*08/15/24 13:14*	*08/16/24 13:29*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*08/15/24 13:14*	*08/16/24 13:29*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		18	8.9	mg/Kg	☼	08/27/24 11:06	08/28/24 23:51	10

Client Sample ID: Trip Blank

Lab Sample ID: 590-26412-25
Date Collected: 08/12/24 00:00
Matrix: Solid
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.14	0.031	mg/Kg		08/19/24 10:36	08/19/24 20:52	1
Benzene	ND		0.028	0.014	mg/Kg		08/19/24 10:36	08/19/24 20:52	1
Ethylbenzene	ND		0.14	0.023	mg/Kg		08/19/24 10:36	08/19/24 20:52	1
m,p-Xylene	ND		0.57	0.041	mg/Kg		08/19/24 10:36	08/19/24 20:52	1
Methyl tert-butyl ether	ND		0.071	0.043	mg/Kg		08/19/24 10:36	08/19/24 20:52	1
o-Xylene	ND		0.28	0.033	mg/Kg		08/19/24 10:36	08/19/24 20:52	1
Toluene	ND		0.14	0.064	mg/Kg		08/19/24 10:36	08/19/24 20:52	1
Xylenes, Total	ND		0.85	0.073	mg/Kg		08/19/24 10:36	08/19/24 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*79 - 124*	*08/19/24 10:36*	*08/19/24 20:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*66 - 129*	*08/19/24 10:36*	*08/19/24 20:52*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*	*08/19/24 10:36*	*08/19/24 20:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/19/24 10:36*	*08/19/24 20:52*	*1*

Client Sample ID: GEI071-DUP

Lab Sample ID: 590-26412-26
Date Collected: 08/12/24 12:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.35	0.076	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
Benzene	ND		0.069	0.035	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
Ethylbenzene	ND		0.35	0.056	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
m,p-Xylene	ND		1.4	0.099	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
Methyl tert-butyl ether	ND		0.17	0.10	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
Naphthalene	ND		0.69	0.097	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
o-Xylene	ND		0.69	0.080	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
Toluene	ND		0.35	0.16	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1
Xylenes, Total	ND		2.1	0.18	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*79 - 124*	*08/19/24 10:36*	*08/19/24 21:16*	*1*
4-Bromofluorobenzene (Surr)	*107*		*66 - 129*	*08/19/24 10:36*	*08/19/24 21:16*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*	*08/19/24 10:36*	*08/19/24 21:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/19/24 10:36*	*08/19/24 21:16*	*1*

Client Sample ID: GEI071-DUP
Lab Sample ID: 590-26412-26

Date Collected: 08/12/24 12:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		17	6.2	mg/Kg	☼	08/19/24 10:36	08/19/24 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 21:16*	*1*

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		0.085	0.037	ug/Kg	☼	08/14/24 15:24	08/15/24 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11	4.5	mg/Kg	☼	08/15/24 13:14	08/16/24 13:51	1
Residual Range Organics (RRO) (C25-C36)	ND		27	5.3	mg/Kg	☼	08/15/24 13:14	08/16/24 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*08/15/24 13:14*	*08/16/24 13:51*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*08/15/24 13:14*	*08/16/24 13:51*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		25	12	mg/Kg	☼	08/27/24 11:06	08/28/24 23:56	10

Client Sample ID: GEI071-COMP
Lab Sample ID: 590-26412-27

Date Collected: 08/12/24 17:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 75.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		12	4.8	mg/Kg	☼	08/27/24 11:06	08/29/24 00:00	10
Barium	**140**		12	3.2	mg/Kg	☼	08/27/24 11:06	08/29/24 00:00	10
Cadmium	ND		9.6	0.57	mg/Kg	☼	08/27/24 11:06	08/29/24 00:00	10
Chromium	**10**	**J**	12	1.7	mg/Kg	☼	08/27/24 11:06	08/29/24 00:00	10
Lead	ND		29	14	mg/Kg	☼	08/27/24 11:06	08/29/24 00:00	10
Selenium	ND		48	29	mg/Kg	☼	08/27/24 11:06	08/29/24 00:00	10
Silver	ND	*+	12	2.7	mg/Kg	☼	08/27/24 11:06	08/29/24 00:00	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**10**	**J**	39	9.6	ug/Kg	☼	08/20/24 12:12	08/26/24 14:02	1

Client Sample ID: GEI071-B1-081224
Lab Sample ID: 590-26412-28

Date Collected: 08/12/24 11:40
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 00:59	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 00:59	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 00:59	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 00:59	1

Client Sample ID: GEI071-B1-081224
Lab Sample ID: 590-26412-28

Date Collected: 08/12/24 11:40
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 00:59	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 00:59	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 00:59	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 00:59	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/17/24 00:59*	*1*
4-Bromofluorobenzene (Surr)	*115*		*76 - 120*		*08/17/24 00:59*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*		*08/17/24 00:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/17/24 00:59*	*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			08/17/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*68.7 - 141*		*08/17/24 00:59*	*1*

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 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		08/23/24 16:42	08/23/24 20:29	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		08/23/24 16:42	08/23/24 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*08/23/24 16:42*	*08/23/24 20:29*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*08/23/24 16:42*	*08/23/24 20:29*	*1*

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		08/28/24 21:17	08/29/24 00:29	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 11:37	1

Client Sample ID: GEI071-B2-081224
Lab Sample ID: 590-26412-29

Date Collected: 08/12/24 12:50
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 01:20	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 01:20	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 01:20	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 01:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 01:20	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 01:20	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 01:20	1

Client Sample ID: GEI071-B2-081224
Lab Sample ID: 590-26412-29

Date Collected: 08/12/24 12:50
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.31	ug/L			08/17/24 01:20	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/17/24 01:20*	*1*
4-Bromofluorobenzene (Surr)	*108*		*76 - 120*		*08/17/24 01:20*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*		*08/17/24 01:20*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 01:20*	*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			08/17/24 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*68.7 - 141*		*08/17/24 01:20*	*1*

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 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		08/23/24 16:42	08/23/24 20:50	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		08/23/24 16:42	08/23/24 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*08/23/24 16:42*	*08/23/24 20:50*	*1*
n-Triacontane-d62	*79*		*50 - 150*	*08/23/24 16:42*	*08/23/24 20:50*	*1*

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		08/28/24 21:17	08/29/24 00:54	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:02	1

Client Sample ID: GEI071-B3-081224
Lab Sample ID: 590-26412-30

Date Collected: 08/12/24 13:45
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 01:42	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 01:42	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 01:42	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 01:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 01:42	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 01:42	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 01:42	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 01:42	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 01:42	1

Client Sample ID: GEI071-B3-081224
Lab Sample ID: 590-26412-30

Date Collected: 08/12/24 13:45
Matrix: Water
Date Received: 08/14/24 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*140*	*S1+*	*80 - 120*		*08/17/24 01:42*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*08/17/24 01:42*	*1*
Dibromofluoromethane (Surr)	*145*	*S1+*	*80 - 123*		*08/17/24 01:42*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/17/24 01:42*	*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			08/17/24 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*68.7 - 141*		*08/17/24 01:42*	*1*

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 03:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		08/23/24 16:42	08/23/24 21:12	1
Residual Range Organics (RRO) (C25-C36)	**0.21**	**J**	0.41	0.12	mg/L		08/23/24 16:42	08/23/24 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*84*		*50 - 150*	*08/23/24 16:42*	*08/23/24 21:12*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*08/23/24 16:42*	*08/23/24 21:12*	*1*

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		08/28/24 21:17	08/29/24 01:10	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:06	1

Client Sample ID: GEI071-B4-081224
Lab Sample ID: 590-26412-31

Date Collected: 08/12/24 14:50
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 02:03	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 02:03	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 02:03	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 02:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 02:03	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 02:03	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 02:03	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 02:03	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*08/17/24 02:03*	*1*
4-Bromofluorobenzene (Surr)	*105*		*76 - 120*		*08/17/24 02:03*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 123*		*08/17/24 02:03*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/17/24 02:03*	*1*

Client Sample ID: GEI071-B4-081224
Lab Sample ID: 590-26412-31

Date Collected: 08/12/24 14:50
Matrix: Water
Date Received: 08/14/24 10:00

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			08/17/24 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*68.7 - 141*		*08/17/24 02:03*	*1*

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 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.12	mg/L		08/23/24 16:42	08/23/24 21:34	1
Residual Range Organics (RRO) (C25-C36)	ND		0.42	0.13	mg/L		08/23/24 16:42	08/23/24 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*08/23/24 16:42*	*08/23/24 21:34*	*1*
n-Triacontane-d62	*82*		*50 - 150*	*08/23/24 16:42*	*08/23/24 21:34*	*1*

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		08/28/24 21:17	08/29/24 01:14	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:23	1

Client Sample ID: GEI071-B5-081224
Lab Sample ID: 590-26412-32

Date Collected: 08/12/24 15:40
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 02:24	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 02:24	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 02:24	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 02:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 02:24	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 02:24	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 02:24	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 02:24	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*08/17/24 02:24*	*1*
4-Bromofluorobenzene (Surr)	*107*		*76 - 120*		*08/17/24 02:24*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 123*		*08/17/24 02:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/17/24 02:24*	*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			08/17/24 02:24	1

Client Sample ID: GEI071-B5-081224
Lab Sample ID: 590-26412-32

Date Collected: 08/12/24 15:40
Matrix: Water
Date Received: 08/14/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*68.7 - 141*		*08/17/24 02:24*	*1*

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 04:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		08/23/24 16:42	08/23/24 21:55	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		08/23/24 16:42	08/23/24 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*08/23/24 16:42*	*08/23/24 21:55*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*08/23/24 16:42*	*08/23/24 21:55*	*1*

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		08/28/24 21:17	08/29/24 01:18	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:27	1

Client Sample ID: GEI071-B6-081224
Lab Sample ID: 590-26412-33

Date Collected: 08/12/24 16:30
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 02:45	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 02:45	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 02:45	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 02:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 02:45	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 02:45	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 02:45	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 02:45	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 120*		*08/17/24 02:45*	*1*
4-Bromofluorobenzene (Surr)	*108*		*76 - 120*		*08/17/24 02:45*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 123*		*08/17/24 02:45*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 02:45*	*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			08/17/24 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*68.7 - 141*		*08/17/24 02:45*	*1*

Client Sample ID: GEI071-B6-081224
Lab Sample ID: 590-26412-33

Date Collected: 08/12/24 16:30
Matrix: Water
Date Received: 08/14/24 10:00

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 05:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		08/23/24 16:42	08/23/24 22:39	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		08/23/24 16:42	08/23/24 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*08/23/24 16:42*	*08/23/24 22:39*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*08/23/24 16:42*	*08/23/24 22:39*	*1*

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		08/28/24 21:17	08/29/24 01:23	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:31	1

Client Sample ID: GEI071-B7-081224
Lab Sample ID: 590-26412-34

Date Collected: 08/12/24 17:20
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 03:06	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 03:06	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 03:06	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 03:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 03:06	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 03:06	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 03:06	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 03:06	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*08/17/24 03:06*	*1*
4-Bromofluorobenzene (Surr)	*108*		*76 - 120*		*08/17/24 03:06*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 123*		*08/17/24 03:06*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 03:06*	*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			08/17/24 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*68.7 - 141*		*08/17/24 03:06*	*1*

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 05:21	1

Client Sample ID: GEI071-B7-081224
Lab Sample ID: 590-26412-34

Date Collected: 08/12/24 17:20
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.26	0.12	mg/L		08/23/24 16:42	08/23/24 23:00	1
Residual Range Organics (RRO) (C25-C36)	ND		0.44	0.13	mg/L		08/23/24 16:42	08/23/24 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*08/23/24 16:42*	*08/23/24 23:00*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*08/23/24 16:42*	*08/23/24 23:00*	*1*

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		08/28/24 21:17	08/29/24 01:27	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:35	1

Client Sample ID: GEI071-B8-081224
Lab Sample ID: 590-26412-35

Date Collected: 08/12/24 17:08
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 03:27	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 03:27	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 03:27	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 03:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 03:27	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 03:27	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 03:27	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 03:27	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*08/17/24 03:27*	*1*
4-Bromofluorobenzene (Surr)	*106*		*76 - 120*		*08/17/24 03:27*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 123*		*08/17/24 03:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/17/24 03:27*	*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			08/17/24 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*68.7 - 141*		*08/17/24 03:27*	*1*

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 05:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		08/23/24 16:42	08/23/24 23:22	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		08/23/24 16:42	08/23/24 23:22	1

Client Sample ID: GEI071-B8-081224
Lab Sample ID: 590-26412-35

Date Collected: 08/12/24 17:08
Matrix: Water
Date Received: 08/14/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*08/23/24 16:42*	*08/23/24 23:22*	*1*
n-Triacontane-d62	*83*		*50 - 150*	*08/23/24 16:42*	*08/23/24 23:22*	*1*

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		08/28/24 21:17	08/29/24 01:31	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:39	1

Client Sample ID: GEI071-DUP-081224
Lab Sample ID: 590-26412-36

Date Collected: 08/12/24 12:05
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 04:09	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 04:09	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 04:09	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 04:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 04:09	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 04:09	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 04:09	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 04:09	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 120*		*08/17/24 04:09*	*1*
4-Bromofluorobenzene (Surr)	*105*		*76 - 120*		*08/17/24 04:09*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 123*		*08/17/24 04:09*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/24 04:09*	*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			08/17/24 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*68.7 - 141*		*08/17/24 04:09*	*1*

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 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.25	0.11	mg/L		08/23/24 16:42	08/23/24 23:43	1
Residual Range Organics (RRO) (C25-C36)	ND		0.41	0.12	mg/L		08/23/24 16:42	08/23/24 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*08/23/24 16:42*	*08/23/24 23:43*	*1*
n-Triacontane-d62	*82*		*50 - 150*	*08/23/24 16:42*	*08/23/24 23:43*	*1*

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-DUP-081224
Lab Sample ID: 590-26412-36
Date Collected: 08/12/24 12:05
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 21:17	08/29/24 01:35	1
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 12:44	1

Client Sample ID: Trip Blank
Lab Sample ID: 590-26412-37
Date Collected: 08/12/24 00:00
Matrix: Water
Date Received: 08/14/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 04:30	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 04:30	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 04:30	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 04:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 04:30	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 04:30	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 04:30	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 04:30	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*08/17/24 04:30*	*1*
4-Bromofluorobenzene (Surr)	*106*		*76 - 120*		*08/17/24 04:30*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 123*		*08/17/24 04:30*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/17/24 04:30*	*1*

Client Sample ID: GEI071-B1-081224 (2 micron)
Lab Sample ID: 590-26412-38
Date Collected: 08/12/24 11:40
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:50	08/29/24 12:48	1

Client Sample ID: GEI071-B2-081224 (2 micron)
Lab Sample ID: 590-26412-39
Date Collected: 08/12/24 12:50
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:50	08/29/24 12:52	1

Client Sample ID: GEI071-B3-081224 (2 micron)
Lab Sample ID: 590-26412-40
Date Collected: 08/12/24 13:45
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:50	08/29/24 12:56	1

Client Sample ID: GEI071-B4-081224 (2 micron)
Lab Sample ID: 590-26412-41

Date Collected: 08/12/24 14:50
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:50	08/29/24 13:01	1

Client Sample ID: GEI071-B5-081224 (2 micron)
Lab Sample ID: 590-26412-42

Date Collected: 08/12/24 15:40
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:50	08/29/24 13:17	1

Client Sample ID: GEI071-B6-081224 (2 micron)
Lab Sample ID: 590-26412-43

Date Collected: 08/12/24 16:30
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:50	08/29/24 13:21	1

Client Sample ID: GEI071-B7-081224 (2 micron)
Lab Sample ID: 590-26412-44

Date Collected: 08/12/24 17:20
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:50	08/29/24 13:25	1

Client Sample ID: GEI071-B8-081224 (2 micron)
Lab Sample ID: 590-26412-45

Date Collected: 08/12/24 17:08
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:51	08/29/24 13:30	1

Client Sample ID: GEI071-DUP-081224 (2 micron)
Lab Sample ID: 590-26412-46

Date Collected: 08/12/24 12:05
Matrix: Water
Date Received: 08/14/24 10:00

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		08/28/24 20:51	08/29/24 13:34	1

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

Lab Sample ID: MB 590-49014/1-A
Matrix: Solid
Analysis Batch: 49022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.10	0.022	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
Benzene	ND		0.020	0.010	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
m,p-Xylene	ND		0.40	0.029	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
Naphthalene	ND		0.20	0.028	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
o-Xylene	ND		0.20	0.023	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
Toluene	ND		0.10	0.045	mg/Kg		08/19/24 10:36	08/19/24 14:37	1
Xylenes, Total	ND		0.60	0.052	mg/Kg		08/19/24 10:36	08/19/24 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*79 - 124*	*08/19/24 10:36*	*08/19/24 14:37*	*1*
4-Bromofluorobenzene (Surr)	*108*		*66 - 129*	*08/19/24 10:36*	*08/19/24 14:37*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*	*08/19/24 10:36*	*08/19/24 14:37*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/19/24 10:36*	*08/19/24 14:37*	*1*

Lab Sample ID: LCS 590-49014/2-A
Matrix: Solid
Analysis Batch: 49022

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	0.500	0.507		mg/Kg		101	77 - 126
Benzene	0.500	0.523		mg/Kg		105	80 - 128
Ethylbenzene	0.500	0.545		mg/Kg		109	80 - 127
m,p-Xylene	0.500	0.543		mg/Kg		109	80 - 131
Methyl tert-butyl ether	0.500	0.390		mg/Kg		78	69 - 132
Naphthalene	0.500	0.387		mg/Kg		77	57 - 131
o-Xylene	0.500	0.538		mg/Kg		108	78 - 128
Toluene	0.500	0.516		mg/Kg		103	79 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*79 - 124*
4-Bromofluorobenzene (Surr)	*99*		*66 - 129*
Dibromofluoromethane (Surr)	*110*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 590-26412-6 MS
Matrix: Solid
Analysis Batch: 49022

Client Sample ID: GEI071-B2(14-15)
Prep Type: Total/NA
Prep Batch: 49014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	ND		0.408	0.381		mg/Kg	☼	93	77 - 126
Benzene	ND		0.408	0.417		mg/Kg	☼	102	80 - 128
Ethylbenzene	ND		0.408	0.437		mg/Kg	☼	107	80 - 127
m,p-Xylene	ND		0.408	0.440		mg/Kg	☼	108	80 - 131
Methyl tert-butyl ether	ND		0.408	0.322		mg/Kg	☼	79	69 - 132
Naphthalene	ND		0.408	0.338		mg/Kg	☼	83	57 - 131
o-Xylene	ND		0.408	0.435		mg/Kg	☼	107	78 - 128

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

Lab Sample ID: 590-26412-6 MS
Matrix: Solid
Analysis Batch: 49022

Client Sample ID: GEI071-B2(14-15)
Prep Type: Total/NA
Prep Batch: 49014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	ND		0.408	0.425		mg/Kg	☼	104	79 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*79 - 124*
4-Bromofluorobenzene (Surr)	*104*		*66 - 129*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 590-26412-6 MSD
Matrix: Solid
Analysis Batch: 49022

Client Sample ID: GEI071-B2(14-15)
Prep Type: Total/NA
Prep Batch: 49014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		0.408	0.386		mg/Kg	☼	95	77 - 126	1	18
Benzene	ND		0.408	0.408		mg/Kg	☼	100	80 - 128	2	17
Ethylbenzene	ND		0.408	0.433		mg/Kg	☼	106	80 - 127	1	19
m,p-Xylene	ND		0.408	0.445		mg/Kg	☼	109	80 - 131	1	19
Methyl tert-butyl ether	ND		0.408	0.313		mg/Kg	☼	77	69 - 132	3	32
Naphthalene	ND		0.408	0.322		mg/Kg	☼	79	57 - 131	5	34
o-Xylene	ND		0.408	0.434		mg/Kg	☼	106	78 - 128	0	19
Toluene	ND		0.408	0.410		mg/Kg	☼	100	79 - 130	4	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*79 - 124*
4-Bromofluorobenzene (Surr)	*103*		*66 - 129*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 590-26412-3 DU
Matrix: Solid
Analysis Batch: 49022

Client Sample ID: GEI071-B1(14-15)
Prep Type: Total/NA
Prep Batch: 49014

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,2-Dichloroethane	ND		ND		mg/Kg	☼	NC	18
Benzene	ND		ND		mg/Kg	☼	NC	17
Ethylbenzene	ND		ND		mg/Kg	☼	NC	19
m,p-Xylene	ND		ND		mg/Kg	☼	NC	19
Methyl tert-butyl ether	ND		ND		mg/Kg	☼	NC	32
Naphthalene	ND		ND		mg/Kg	☼	NC	34
o-Xylene	ND		ND		mg/Kg	☼	NC	19
Toluene	ND		ND		mg/Kg	☼	NC	21
Xylenes, Total	ND		ND		mg/Kg	☼	NC	25

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*
4-Bromofluorobenzene (Surr)	*108*		*66 - 129*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 590-49031/9
Matrix: Water
Analysis Batch: 49031

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.31	ug/L			08/17/24 00:38	1
Benzene	ND		0.40	0.093	ug/L			08/17/24 00:38	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/17/24 00:38	1
m,p-Xylene	ND		2.0	0.28	ug/L			08/17/24 00:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/24 00:38	1
Naphthalene	ND		2.0	0.63	ug/L			08/17/24 00:38	1
o-Xylene	ND		1.0	0.16	ug/L			08/17/24 00:38	1
Toluene	ND		1.0	0.31	ug/L			08/17/24 00:38	1
Xylenes, Total	ND		3.0	0.44	ug/L			08/17/24 00:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/17/24 00:38*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 120*		*08/17/24 00:38*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 123*		*08/17/24 00:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/17/24 00:38*	*1*

Lab Sample ID: LCS 590-49031/6
Matrix: Water
Analysis Batch: 49031

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dichloroethane			10.0	10.8		ug/L		108	80 - 120		
Benzene			10.0	10.7		ug/L		107	80 - 120		
Ethylbenzene			10.0	10.4		ug/L		104	80 - 122		
m,p-Xylene			10.0	10.4		ug/L		104	80 - 125		
Methyl tert-butyl ether			10.0	11.6		ug/L		116	68 - 134		
Naphthalene			10.0	9.63		ug/L		96	61 - 140		
o-Xylene			10.0	10.8		ug/L		108	80 - 130		
Toluene			10.0	10.4		ug/L		104	80 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 123*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 590-49031/1005
Matrix: Water
Analysis Batch: 49031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane			10.0	11.2		ug/L		112	80 - 120	4	14
Benzene			10.0	10.7		ug/L		107	80 - 120	0	15
Ethylbenzene			10.0	10.4		ug/L		104	80 - 122	0	35
m,p-Xylene			10.0	10.3		ug/L		103	80 - 125	0	35
Methyl tert-butyl ether			10.0	11.9		ug/L		119	68 - 134	2	18
Naphthalene			10.0	9.99		ug/L		100	61 - 140	4	25
o-Xylene			10.0	10.6		ug/L		106	80 - 130	2	35

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

Lab Sample ID: LCSD 590-49031/1005
Matrix: Water
Analysis Batch: 49031

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			10.0	10.4		ug/L		104	80 - 129	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 123*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 590-49014/1-A
Matrix: Solid
Analysis Batch: 49023

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		08/19/24 10:36	08/19/24 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*41.5 - 162*	*08/19/24 10:36*	*08/19/24 14:37*	*1*

Lab Sample ID: LCS 590-49014/3-A
Matrix: Solid
Analysis Batch: 49023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49014

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			50.0	44.2		mg/Kg		88	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*41.5 - 162*

Lab Sample ID: 590-26412-3 DU
Matrix: Solid
Analysis Batch: 49023

Client Sample ID: GEI071-B1(14-15)
Prep Type: Total/NA
Prep Batch: 49014

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	ND			ND		mg/Kg	☼			NC	32.3

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*41.5 - 162*

Lab Sample ID: MB 590-49032/9
Matrix: Water
Analysis Batch: 49032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			08/17/24 00:38	1

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

Lab Sample ID: MB 590-49032/9
Matrix: Water
Analysis Batch: 49032

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		68.7 - 141		08/17/24 00:38	1

Lab Sample ID: LCS 590-49032/1007
Matrix: Water
Analysis Batch: 49032

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1000	1090		ug/L		109	80 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		68.7 - 141

Lab Sample ID: LCSD 590-49032/1018
Matrix: Water
Analysis Batch: 49032

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			1000	1020		ug/L		102	80 - 120	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		68.7 - 141

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

Lab Sample ID: MB 590-48924/2-A
Matrix: Solid
Analysis Batch: 48948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.080	0.035	ug/Kg		08/14/24 07:48	08/14/24 18:48	1

Lab Sample ID: LCS 590-48924/3-A
Matrix: Solid
Analysis Batch: 48948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48924

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromoethane (EDB)			1.00	1.04		ug/Kg		104	60 - 140		

Lab Sample ID: MB 590-49000/1-A
Matrix: Water
Analysis Batch: 49007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.010	0.0025	ug/L		08/16/24 15:37	08/16/24 22:41	1

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

Lab Sample ID: LCS 590-49000/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 49007
Prep Batch: 49000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	0.125	0.0958		ug/L		77	60 - 140

Lab Sample ID: LCSD 590-49000/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 49007
Prep Batch: 49000

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 590-48962/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 48975
Prep Batch: 48962

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/15/24 13:14	08/16/24 05:23	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/15/24 13:14	08/16/24 05:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*08/15/24 13:14*	*08/16/24 05:23*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*08/15/24 13:14*	*08/16/24 05:23*	*1*

Lab Sample ID: LCS 590-48962/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 48975
Prep Batch: 48962

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	70.7		mg/Kg		106	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	71.2		mg/Kg		107	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*94*		*50 - 150*
n-Triacontane-d62	*97*		*50 - 150*

Lab Sample ID: MB 590-49189/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 49187
Prep Batch: 49189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		08/23/24 16:42	08/23/24 18:41	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		08/23/24 16:42	08/23/24 18:41	1

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

Lab Sample ID: MB 590-49189/1-A
Matrix: Water
Analysis Batch: 49187

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49189

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	08/23/24 16:42	08/23/24 18:41	1
n-Triacontane-d62	83		50 - 150	08/23/24 16:42	08/23/24 18:41	1

Lab Sample ID: LCS 590-49189/2-A
Matrix: Water
Analysis Batch: 49187

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 49189

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.25		mg/L		78	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.53		mg/L		96	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	83		50 - 150
n-Triacontane-d62	85		50 - 150

Lab Sample ID: LCSD 590-49189/3-A
Matrix: Water
Analysis Batch: 49187

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 49189

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.18		mg/L		74	50 - 150	6	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.60		mg/L		100	50 - 150	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	85		50 - 150
n-Triacontane-d62	88		50 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-49248/2-A
Matrix: Solid
Analysis Batch: 49301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.3	0.50	mg/Kg		08/27/24 11:06	08/28/24 12:35	1
Barium	ND		1.3	0.34	mg/Kg		08/27/24 11:06	08/28/24 12:35	1
Cadmium	ND		1.0	0.059	mg/Kg		08/27/24 11:06	08/28/24 12:35	1
Chromium	ND		1.3	0.18	mg/Kg		08/27/24 11:06	08/28/24 12:35	1
Lead	ND		3.0	1.5	mg/Kg		08/27/24 11:06	08/28/24 12:35	1
Selenium	ND		5.0	3.0	mg/Kg		08/27/24 11:06	08/28/24 12:35	1
Silver	ND		1.3	0.29	mg/Kg		08/27/24 11:06	08/28/24 12:35	1

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

Lab Sample ID: LCS 590-49248/1-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 49301
Prep Batch: 49248

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			100	102		mg/Kg		102	80 - 120		
Barium			100	90.2		mg/Kg		90	80 - 120		
Cadmium			50.0	49.7		mg/Kg		99	80 - 120		
Chromium			50.0	52.1		mg/Kg		104	80 - 120		
Lead			50.0	53.6		mg/Kg		107	80 - 120		
Selenium			100	101		mg/Kg		101	80 - 120		
Silver			5.00	7.76	*+	mg/Kg		155	80 - 120		

Lab Sample ID: MB 590-49314/2-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 49322
Prep Batch: 49314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.060	0.0051	mg/L		08/28/24 21:17	08/29/24 00:25	1

Lab Sample ID: LCS 590-49314/1-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 49322
Prep Batch: 49314

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			1.00	1.05		mg/L		105	80 - 120		

Lab Sample ID: MB 590-49309/2-B
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49338
Prep Batch: 49311

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.060	0.0051	mg/L		08/28/24 20:50	08/29/24 11:33	1

Lab Sample ID: LCS 590-49309/1-B
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49338
Prep Batch: 49311

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			1.00	1.03		mg/L		103	80 - 120		

Lab Sample ID: 590-26412-28 MS
Client Sample ID: GEI071-B1-081224
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49338
Prep Batch: 49311

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	ND		1.00	1.04		mg/L		104	75 - 125		

Lab Sample ID: 590-26412-28 MSD
Client Sample ID: GEI071-B1-081224
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49338
Prep Batch: 49311

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1.00	1.03		mg/L		103	75 - 125	1	20

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

Lab Sample ID: 590-26412-28 DU
Client Sample ID: GEI071-B1-081224
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49338
Prep Batch: 49311

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND			ND		mg/L				NC	20

Lab Sample ID: 590-26412-28 MS
Client Sample ID: GEI071-B1-081224
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49322
Prep Batch: 49314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	ND		1.00	1.05		mg/L		105	75 - 125		

Lab Sample ID: 590-26412-28 MSD
Client Sample ID: GEI071-B1-081224
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49322
Prep Batch: 49314

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1.00	1.06		mg/L		106	75 - 125	1	20

Lab Sample ID: 590-26412-28 DU
Client Sample ID: GEI071-B1-081224
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 49322
Prep Batch: 49314

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND			ND		mg/L				NC	20

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-B1(14-15)
Lab Sample ID: 590-26412-3
Date Collected: 08/12/24 09:09
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B1(14-15)
Lab Sample ID: 590-26412-3
Date Collected: 08/12/24 09:09
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.702 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 15:53	JSP	EET SPK
Total/NA	Prep	5035			10.702 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 15:53	JSP	EET SPK
Total/NA	Prep	8011			10.48 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 23:31	NMI	EET SPK
Total/NA	Prep	3550C			15.35 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 10:57	NMI	EET SPK
Total/NA	Prep	3050B			1.80 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:22	AMB	EET SPK

Client Sample ID: GEI071-B2(14-15)
Lab Sample ID: 590-26412-6
Date Collected: 08/12/24 09:51
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B2(14-15)
Lab Sample ID: 590-26412-6
Date Collected: 08/12/24 09:51
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			18.157 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 16:43	JSP	EET SPK
Total/NA	Prep	5035			18.157 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 16:43	JSP	EET SPK
Total/NA	Prep	8011			10.60 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/14/24 23:48	NMI	EET SPK
Total/NA	Prep	3550C			15.09 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 11:15	NMI	EET SPK
Total/NA	Prep	3050B			1.38 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:27	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-B3(3-4)
Lab Sample ID: 590-26412-7
Date Collected: 08/12/24 10:20
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B3(3-4)
Lab Sample ID: 590-26412-7
Date Collected: 08/12/24 10:20
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12.417 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 18:22	JSP	EET SPK
Total/NA	Prep	5035			12.417 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 18:22	JSP	EET SPK
Total/NA	Prep	8011			10.33 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/15/24 00:04	NMI	EET SPK
Total/NA	Prep	3550C			15.75 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 11:31	NMI	EET SPK
Total/NA	Prep	3050B			1.48 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:31	AMB	EET SPK

Client Sample ID: GEI071-B4(13-14)
Lab Sample ID: 590-26412-12
Date Collected: 08/12/24 11:32
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B4(13-14)
Lab Sample ID: 590-26412-12
Date Collected: 08/12/24 11:32
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.307 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 18:48	JSP	EET SPK
Total/NA	Prep	5035			5.307 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 18:48	JSP	EET SPK
Total/NA	Prep	8011			10.17 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/15/24 00:21	NMI	EET SPK
Total/NA	Prep	3550C			15.01 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 11:51	NMI	EET SPK
Total/NA	Prep	3050B			1.29 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:35	AMB	EET SPK

Client Sample ID: GEI071-B5(13-14)
Lab Sample ID: 590-26412-15

Date Collected: 08/12/24 12:20
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B5(13-14)
Lab Sample ID: 590-26412-15

Date Collected: 08/12/24 12:20
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.022 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 19:13	JSP	EET SPK
Total/NA	Prep	5035			9.022 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 19:13	JSP	EET SPK
Total/NA	Prep	8011			10.75 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/15/24 00:54	NMI	EET SPK
Total/NA	Prep	3550C			15.52 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 12:08	NMI	EET SPK
Total/NA	Prep	3050B			1.78 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:39	AMB	EET SPK

Client Sample ID: GEI071-B6(7-8)
Lab Sample ID: 590-26412-17

Date Collected: 08/12/24 13:56
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B6(7-8)
Lab Sample ID: 590-26412-17

Date Collected: 08/12/24 13:56
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.047 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 19:38	JSP	EET SPK
Total/NA	Prep	5035			9.047 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 19:38	JSP	EET SPK
Total/NA	Prep	8011			10.64 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/15/24 01:11	NMI	EET SPK
Total/NA	Prep	3550C			15.56 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 12:49	NMI	EET SPK
Total/NA	Prep	3050B			1.54 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:43	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-B7(4-5)
Lab Sample ID: 590-26412-19
Date Collected: 08/12/24 14:48
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B7(4-5)
Lab Sample ID: 590-26412-19
Date Collected: 08/12/24 14:48
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.415 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 20:02	JSP	EET SPK
Total/NA	Prep	5035			10.415 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 20:02	JSP	EET SPK
Total/NA	Prep	8011			10.48 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/15/24 01:27	NMI	EET SPK
Total/NA	Prep	3550C			15.34 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 13:09	NMI	EET SPK
Total/NA	Prep	3050B			1.49 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:47	AMB	EET SPK

Client Sample ID: GEI071-B8(8-9)
Lab Sample ID: 590-26412-23
Date Collected: 08/12/24 16:00
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-B8(8-9)
Lab Sample ID: 590-26412-23
Date Collected: 08/12/24 16:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.47 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 20:27	JSP	EET SPK
Total/NA	Prep	5035			8.47 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 20:27	JSP	EET SPK
Total/NA	Prep	8011			10.67 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/15/24 01:44	NMI	EET SPK
Total/NA	Prep	3550C			15.74 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 13:29	NMI	EET SPK
Total/NA	Prep	3050B			1.70 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:51	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: Trip Blank
Lab Sample ID: 590-26412-25
Date Collected: 08/12/24 00:00
Matrix: Solid
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.038 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 20:52	JSP	EET SPK

Client Sample ID: GEI071-DUP
Lab Sample ID: 590-26412-26
Date Collected: 08/12/24 12:00
Matrix: Solid
Date Received: 08/14/24 10:00

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			48943	08/14/24 15:39	MRV	EET SPK

Client Sample ID: GEI071-DUP
Lab Sample ID: 590-26412-26
Date Collected: 08/12/24 12:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.271 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	49022	08/19/24 21:16	JSP	EET SPK
Total/NA	Prep	5035			3.271 g	10 mL	49014	08/19/24 10:36	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	49023	08/19/24 21:16	JSP	EET SPK
Total/NA	Prep	8011			10.39 g	2 mL	48924	08/14/24 15:24	MRV	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	48948	08/15/24 02:01	NMI	EET SPK
Total/NA	Prep	3550C			15.49 g	5 mL	48962	08/15/24 13:14	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	48975	08/16/24 13:51	NMI	EET SPK
Total/NA	Prep	3050B			1.30 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/28/24 23:56	AMB	EET SPK

Client Sample ID: GEI071-COMP
Lab Sample ID: 590-26412-27
Date Collected: 08/12/24 17:00
Matrix: Solid
Date Received: 08/14/24 10:00

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			48963	08/15/24 13:40	NMI	EET SPK

Client Sample ID: GEI071-COMP
Lab Sample ID: 590-26412-27
Date Collected: 08/12/24 17:00
Matrix: Solid
Date Received: 08/14/24 10:00
Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.39 g	50 mL	49248	08/27/24 11:06	AMB	EET SPK
Total/NA	Analysis	6010D		10			49322	08/29/24 00:00	AMB	EET SPK
Total/NA	Prep	7471B			0.86 g	50 mL	49069	08/20/24 12:12	AMB	EET SPK
Total/NA	Analysis	7471B		1			49223	08/26/24 14:02	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-B1-081224
Lab Sample ID: 590-26412-28
Date Collected: 08/12/24 11:40
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 00:59	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 00:59	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 03:24	NMI	EET SPK
Total/NA	Prep	3510C			239.7 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 20:29	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 00:29	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 11:37	AMB	EET SPK

Client Sample ID: GEI071-B2-081224
Lab Sample ID: 590-26412-29
Date Collected: 08/12/24 12:50
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 01:20	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 01:20	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 03:41	NMI	EET SPK
Total/NA	Prep	3510C			241.2 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 20:50	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 00:54	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:02	AMB	EET SPK

Client Sample ID: GEI071-B3-081224
Lab Sample ID: 590-26412-30
Date Collected: 08/12/24 13:45
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 01:42	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 01:42	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 03:58	NMI	EET SPK
Total/NA	Prep	3510C			244.8 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 21:12	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 01:10	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:06	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-B4-081224
Lab Sample ID: 590-26412-31
Date Collected: 08/12/24 14:50
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 02:03	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 02:03	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 04:14	NMI	EET SPK
Total/NA	Prep	3510C			238.9 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 21:34	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 01:14	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:23	AMB	EET SPK

Client Sample ID: GEI071-B5-081224
Lab Sample ID: 590-26412-32
Date Collected: 08/12/24 15:40
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 02:24	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 02:24	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 04:48	NMI	EET SPK
Total/NA	Prep	3510C			245 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 21:55	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 01:18	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:27	AMB	EET SPK

Client Sample ID: GEI071-B6-081224
Lab Sample ID: 590-26412-33
Date Collected: 08/12/24 16:30
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 02:45	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 02:45	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 05:04	NMI	EET SPK
Total/NA	Prep	3510C			246.2 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 22:39	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 01:23	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:31	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-B7-081224
Lab Sample ID: 590-26412-34
Date Collected: 08/12/24 17:20
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 03:06	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 03:06	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 05:21	NMI	EET SPK
Total/NA	Prep	3510C			227.6 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 23:00	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 01:27	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:35	AMB	EET SPK

Client Sample ID: GEI071-B8-081224
Lab Sample ID: 590-26412-35
Date Collected: 08/12/24 17:08
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 03:27	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 03:27	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 05:38	NMI	EET SPK
Total/NA	Prep	3510C			258.9 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 23:22	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 01:31	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:39	AMB	EET SPK

Client Sample ID: GEI071-DUP-081224
Lab Sample ID: 590-26412-36
Date Collected: 08/12/24 12:05
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 04:09	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	49032	08/17/24 04:09	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 05:54	NMI	EET SPK
Total/NA	Prep	3510C			241.8 mL	2 mL	49189	08/23/24 16:42	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	49187	08/23/24 23:43	NMI	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49314	08/28/24 21:17	AMB	EET SPK
Dissolved	Analysis	6010D		1			49322	08/29/24 01:35	AMB	EET SPK
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:44	AMB	EET SPK

Client Sample ID: Trip Blank
Lab Sample ID: 590-26412-37

Date Collected: 08/12/24 00:00
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	49031	08/17/24 04:30	JSP	EET SPK

Client Sample ID: GEI071-B1-081224 (2 micron)
Lab Sample ID: 590-26412-38

Date Collected: 08/12/24 11:40
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:48	AMB	EET SPK

Client Sample ID: GEI071-B2-081224 (2 micron)
Lab Sample ID: 590-26412-39

Date Collected: 08/12/24 12:50
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:52	AMB	EET SPK

Client Sample ID: GEI071-B3-081224 (2 micron)
Lab Sample ID: 590-26412-40

Date Collected: 08/12/24 13:45
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 12:56	AMB	EET SPK

Client Sample ID: GEI071-B4-081224 (2 micron)
Lab Sample ID: 590-26412-41

Date Collected: 08/12/24 14:50
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 13:01	AMB	EET SPK

Client Sample ID: GEI071-B5-081224 (2 micron)
Lab Sample ID: 590-26412-42

Date Collected: 08/12/24 15:40
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 13:17	AMB	EET SPK

Lab Chronicle

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Client Sample ID: GEI071-B6-081224 (2 micron)
Lab Sample ID: 590-26412-43

Date Collected: 08/12/24 16:30
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 13:21	AMB	EET SPK

Client Sample ID: GEI071-B7-081224 (2 micron)
Lab Sample ID: 590-26412-44

Date Collected: 08/12/24 17:20
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:36	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:50	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 13:25	AMB	EET SPK

Client Sample ID: GEI071-B8-081224 (2 micron)
Lab Sample ID: 590-26412-45

Date Collected: 08/12/24 17:08
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:37	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:51	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 13:30	AMB	EET SPK

Client Sample ID: GEI071-DUP-081224 (2 micron)
Lab Sample ID: 590-26412-46

Date Collected: 08/12/24 12:05
Matrix: Water
Date Received: 08/14/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			250 mL	250 mL	49309	08/28/24 20:37	AMB	EET SPK
Dissolved	Prep	3005A			50 mL	50 mL	49311	08/28/24 20:51	AMB	EET SPK
Dissolved	Analysis	6010D		1			49338	08/29/24 13:34	AMB	EET SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

Laboratory: Eurofins Spokane

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-07-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GeoEngineers Inc
Job ID: 590-26412-1
Project/Site: Craigs Texaco Service/0504-212-00

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
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
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

Chain of Custody Record 723187

eurofins | Environment Testing America

Address _____

Regulatory Program [ ] DW [ ] NPDES [ ] RCRA [ ] Other

TAL-8210

Client Contact	Project Manager: Andrew Provant	Site Contact	Date	COC No
Company Name: GEOENGINEERS	Tel/Email aprovant@geoengineers.com	Lab Contact	Carrier	of ___ COCs
Address:	Analysis Turnaround Time			Sampler
City/State/Zip:	[ ] CALENDAR DAYS [ ] WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below			Walk-in Client
Fax:	[ ] 2 weeks			Lab Sampling
Project Name:	[ ] 1 week			
Site	[ ] 2 days			Job / SDG No.
P O #	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	GRPH	DRPH / ORPH	BTEX	EDC	MTBE	EDB	total lead	Hold	Sample Specific Notes:
GE1071-B1(1-2)	8/12/24	0846	G	S	3										X	
GE1071-B1 (7-8)		0856													X	
GE1071-B1 (14-15)		0909						X	X	X	X	X	X	X		
GE1071-B2 (4-5)		0933													X	
GE1071-B2 (8-9)		0940													X	
GE1071-B2 (14-15)		0951						X	X	X	X	X	X	X		
GE1071-B3 (3-4)		1020						X	X	X	X	X	X	X		
GE1071-B3 (8-9)		1034													X	
GE1071-B3 (12-13)		1051													X	
GE1071-B4 (3-4)		1115													X	
GE1071-B4 (7-8)		1125													X	
GE1071-B4 (13-14)		1132						X	X	X	X	X	X	X		

590-26412 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

[ ] Return to Client [ ] Disposal by Lab [ ] Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. [ ] Yes [ ] No	Custody Seal No.	Cooler Temp. (°C): Obs'd 4.9 Corr'd 4.5	Therm ID No IR005

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	GE1	8/13/24			
Relinquished by	Company	Date/Time 0856	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company EET SBO	Date/Time 8/14/24 10:00

Chain of Custody Record 723187

eurofins | Environment Testing America

Address. _____

Regulatory Program [ ]DW [ ]NPDES [ ]RCRA [ ]Other

TAL-8210

Client Contact	Project Manager: Andrew Provant	Site Contact.	Date	COC No
Company Name: GeoEngineers	Tel/Email: aprovant@geoengineers.com	Lab Contact.	Carrier:	____ of ____ COCs
Address: 523 W 2nd Ave	Analysis Turnaround Time			Sampler:
City/State/Zip: Spokane WA	[ ]CALENDAR DAYS [ ]WORKING DAYS			For Lab Use Only:
Phone: 509.363.9125	TAT if different from Below ____			Walk-in Client
Fax:	[x] 2 weeks			Lab Sampling
Project Name: Craigs Texaco	[ ] 1 week			
Site: Yakima WA	[ ] 2 days			Job / SDG No
PO # 0504-22-00	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	GRPH	DRPH/OEPH	BTEX	EDC	MTBE	EDB	total lead	HOLD	Sample Specific Notes.
GE1071-B5(4-5)	8/12/24	1201	G	S	3										X	
GE1071-B5(9-10)		1211													X	
GE1071-B5(13-14)		1220						X	X	X	X	X	X	X		
GE1071-B6(3-4)		1345													X	
GE1071-B6(7-8)		1350						X	X	X	X	X	X	X		
GE1071-B6(12-13)		1413													X	
GE1071-B7(4-5)		1448						X	X	X	X	X	X	X		
GE1071-B7(9-10)		1504													X	
GE1071-B7(14-15)		1513													X	
GE1071-B8(4-5)		1548													X	
GE1071-B8(8-9)		1600						X	X	X	X	X	X	X		
GE1071-B8(14-15)		1610													X	

Preservation Used 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

[ ]Non-Hazard [ ]Flammable [ ]Skin Irritant [ ]Poison B [ ]Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

[ ]Return to Client [ ]Disposal by Lab [ ]Archive for_____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. [ ]Yes [ ]No	Custody Seal No.	Cooler Temp. (°C): Obs'd 4.9 Corr'd 4.5	Therm ID No. R005

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	GE	8/13/24			
Relinquished by	Company	Date/Time: 0850	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: [signature]	Company: EET SPO	Date/Time: 8/14/24 10:00

Chain of Custody Record 723187

eurofins | Environment Testing America

Address. _____

Regulatory Program [ ] DW [ ] NPDES [ ] RCRA [ ] Other

TAL-8210

Client Contact	Project Manager: Andrew Provencal	Site Contact:	Date	COC No:
Company Name: GEOSYNGINEERS	Tel/Email: Aprovencal@geosyntec.com	Lab Contact:	Carrier:	____ of ____ COCs
Address	Analysis Turnaround Time			Sampler:
City/State/Zip:	[ ] CALENDAR DAYS [ ] WORKING DAYS			For Lab Use Only
Phone	TAT if different from Below ____			Walk-in Client
Fax	[ ] 2 weeks			Lab Sampling
Project Name:	[ ] 1 week			
Site:	[ ] 2 days			Job / SDG No.
P O #	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	BTEX	EDC	MTBE	GRPH	DRPH 10 2DPH	EDB	total lead	PCBs 8 Metals 6010 EPA	Sample Specific Notes.
Trip Blank	-	-	-	S	1			X	X	X						
GE1071-DUP	8/12/24	1200	G	S	3			X	X	X	X	X	X	X		
GE1071-COMP	1	1700	G	S	1										+	

Preservation Used 1= Ice, 2= HCl, 3= H_2SO_4; 4=HNO_3, 5=NaOH, 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

[ ] Return to Client [ ] Disposal by Lab [ ] Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. [ ] Yes [ ] No | Custody Seal No. | Cooler Temp. (°C): Obs'd 4.9 Corr'd 4.5 | Therm ID No. R005

Relinquished by:	Company: GEL	Date/Time: 8/13/24	Received by:	Company:	Date/Time
Relinquished by:	Company:	Date/Time: 0856	Received by	Company:	Date/Time
Relinquished by:	Company:	Date/Time:	Received in Laboratory by	Company: EET SPO	Date/Time: 8/14/24 10:00

Chain of Custody Record 723187

eurofins | Environment Testing America

Address

Regulatory Program [ ] DW [ ] NPDES [ ] RCRA [ ] Other

TAL-8210

Client Contact	Project Manager: Andrew Provant	Site Contact.	Date	COC No:
Company Name: GeoEngineers	Tel/Email aprovant@geoengineers.com	Lab Contact.	Carrier	of COCs
Address. 523 E 2nd Ave.	Analysis Turnaround Time			Sampler:
City/State/Zip. Spokane, WA 99202	[ ] CALENDAR DAYS [ ] WORKING DAYS			For Lab Use Only:
Phone: 509 363 3125	TAT if different from Below			Walk-in Client
Fax	[X] 2 weeks			Lab Sampling
Project Name Craigs Texaco	[ ] 1 week			
Site:	[ ] 2 days			Job / SDG No
PO # 0504-212 00	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	GRPH	DRPH/ORPH	BTEXN	EDC	MTBE	Dissolved lead	Sample Specific Notes
GEI071-B1-081224	8/12/24	1140	G	W	8			X	X	X	X	X	X	
GEI071-B2-081224		1250						X	X	X	X	X	X	
GEI071-B3-081224		1345						X	X	X	X	X	X	
GEI071-B4-081224		1450						X	X	X	X	X	X	
GEI071-B5-081224		1540						X	X	X	X	X	X	
GEI071-B6-081224		1630						X	X	X	X	X	X	
GEI071-B7-081224		1720						X	X	X	X	X	X	
GEI071-B8-081224		1708						X	X	X	X	X	X	
GEI071-DUP-081224		1205						X	X	X	X	X	X	
TRIP BLANK	—	—			1					X	X	X		

Preservation Used 1= Ice, 2= HCl 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

[ ] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

[ ] Return to Client [ ] Disposal by Lab [ ] Archive for Months

Special Instructions/QC Requirements & Comments Dissolved lead: 1st sample field filtered, 2nd sample for lab filtering w/ 0.45 & 2 micron

Custody Seals Intact. [ ] Yes [ ] No | Custody Seal No | Cooler Temp (°C): Obs'd 2.9 Corr'd 2.5 | Therm ID No. IR005

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	GeoEngineers	8/13/24 0855			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by: [signature]	Company: EEC SPO	Date/Time 8/14/24 10:00

Login Sample Receipt Checklist

Client: GeoEngineers Inc

Job Number: 590-26412-1

Login Number: 26412

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
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	

Appendix E

Report Limitations and Guidelines for Use

Appendix E
Report Limitations and Guidelines for Use[1]

This appendix provides information to help you manage your risks with respect to the use of this report. Please confer with GeoEngineers if you need to know more about how these "Report Limitations and Guidelines for Use" apply to your project or property.

READ THESE PROVISIONS CLOSELY

It is important to recognize that environmental engineering and geoscience practices (geotechnical engineering, geology, and environmental science) are less exact than other engineering and natural science disciplines. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce the risk of misunderstandings or unrealistic expectations that lead to disappointments, claims and disputes.

ENVIRONMENTAL SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES, AND PROJECTS

GeoEngineers has prepared this report for Craigs Texaco Service located at 108 West Washington Avenue in Yakima, Washington in general accordance with the scope and limitations of our proposal. This report has been prepared for the exclusive use of Washington Department of Ecology. This report is not intended for use by others, and the information contained herein is not applicable to other properties.

GeoEngineers structures its services to meet the specific needs of its 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 property. Use of this report is not recommended for any purpose or project other than as expressly stated in this report.

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

This report has been prepared for Craigs Texaco Service located at 108 West Washington Avenue in Yakima, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this Project. Unless GeoEngineers specifically indicates otherwise, it is important not to 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 Project changes were made.

If changes to the Project or property occur after the date of this report, GeoEngineers cannot be responsible for any consequences of such changes in relation to this report unless we have been given the opportunity to review our interpretations and recommendations in the context of such changes. Based on that review, we can provide written modifications or confirmation, as appropriate.

[1] Developed based on material provided by GBA, GeoProfessional Business Association; www.geoprofessional.org.

RELIANCE CONDITIONS FOR THIRD PARTIES

This report was prepared for the exclusive use of the party(ies) to whom this report is addressed. No other party may rely on the product of our services unless we agree to such reliance in advance and in writing. Within the limitations of the agreed Project scope, schedule and budget, our services have been executed in accordance with our Agreement with the Client and generally accepted environmental practices in this area at the time this report was prepared.

ENVIRONMENTAL REGULATIONS CHANGE AND EVOLVE

Some substances may be present in the vicinity of the subject property in quantities or under conditions that may have led, or may lead, to contamination of the subject property, 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 substances, change or if more stringent environmental standards are developed in the future.

UNCERTAINTY MAY REMAIN EVEN AFTER THIS PHASE II ESA IS COMPLETED

Performance of a Phase II ESA is intended to reduce uncertainty regarding the potential for contamination in connection with a property, but no ESA can wholly eliminate that uncertainty. 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 man-made events such as construction on or adjacent to the subject property, by new releases of hazardous substances, new information or technology that become available subsequent to the report date, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Please contact GeoEngineers before applying this report for its intended purpose so that GeoEngineers may evaluate whether changed conditions affect the continued applicability of the report.

SOIL AND GROUNDWATER END USE

The cleanup levels referenced in this report are site- and situation-specific. The cleanup levels may not be applicable for other properties or for other on-site uses of the affected soil and/or groundwater. Note that hazardous substances may be present in some of the on-site soil and/or groundwater at detectable concentrations that are less than the referenced cleanup levels. GeoEngineers should be contacted prior to the export of soil or groundwater from the subject property or reuse of the affected soil or groundwater on-site to evaluate the potential for associated environmental liabilities. GeoEngineers will not assume responsibility for potential environmental liability arising out of the transfer of soil and/or groundwater from the subject property to another location, or the reuse of such soil and/or groundwater on-site in any instances that we did not recommend, know of, or control.

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 subject property. 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 its professional judgment to render an informed opinion about subsurface conditions throughout the property. Actual subsurface conditions may differ 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 documents. Only photographic or electronic reproduction that preserves the entire original boring log is acceptable, but separating logs from the report can create increase the risk of potential misinterpretation.

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.