GeoEngineers
2101 4th Avenue, Suite 950
Seattle, Washington 98121
206.728.2674

July 22, 2026

Washington State Department of Ecology
PO Box 47600
Olympia, Washington 98503

Attention: Josh Morman

Subject: Southern Boundary Area Soil Investigation Data Report
Quiet Cove Site
Anacortes, Washington
Agreed Order No. DE 11346
GeoEngineers File No. 5147-024-14

Introduction

This data report describes the results of soil investigation activities completed for the Southern Boundary Area at the Quiet Cove Site (Site). The Site situated along the shoreline of Guemes Channel at 202 O Avenue (the intersection of 2nd Street and O Avenue) in Anacortes, Washington. Pursuant to Agreed Order No. DE11346 (Agreed Order) and the Washington Department of Ecology (Ecology) approved Remedial Investigation/Feasibility Study (RI/FS) Work Plan Addendum No. 2 (Work Plan Addendum No. 2; GeoEngineers 2024), the Port of Anacortes (Port) completed soil investigation activities southwest of the 2020 Interim Action[1] remedial excavation limit (Southern Boundary Area) to fill data gaps identified by Ecology in the existing soil data to refine the nature and extent of contamination in this portion of the Site.

As described in the RI/FS Work Plan Addendum No. 2, this soil investigation data report describes the sampling and analysis completed for the Southern Boundary Area to ensure that the remaining data gaps have been addressed and that there is sufficient information to prepare the RI/FS. The Site is shown relative to the surrounding area in Figure 1. Site features including Southern Boundary Area and previous soil explorations, 2020 Interim Action Area and surrounding area are shown in Figure 2. The Southern Boundary Area includes the Reisner property and has potential to be a source of subsurface contamination due to historical site use. Soil investigation activities completed are further discussed below.

[1] Pursuant to the Washington Administrative Code (WAC) 173-340-430 and in coordination with Ecology, the Port completed an Interim Action between August and November 2020 (2020 Interim Action) to remediate a portion of the Site to facilitate redevelopment of the property for commercial purposes. Specific details regarding the 2020 Interim Action are presented in the Interim Action Completion Report (GeoEngineers 2021).

Summary of Southern Boundary Area Field Investigation Activities

SOIL INVESTIGATION

Soil sampling and analysis was completed on October 20 and 21, 2024, to characterize soil in the Southern Boundary Area using a combination of direct-push and hand auger drilling methods. Within the Southern Boundary Area, a total of six (6) soil borings (GEI-61 through GEI-66; Figure 2) were completed to a depth of approximately 20 feet below ground surface (bgs). During the drilling activities, representatives from GeoEngineers' staff were present to examine, field screen and classify the soils encountered. Field screening results and a description of the material encountered in each exploration are presented in the attached exploration logs (Attachment A). Sampling activities and a summary of chemical analytical results are presented below.

Utility Locate

Prior to drilling, a public "One-Call" utility locate was completed. Additionally, a private utility locate was completed to clear potential utilities and/or underground physical hazards within an approximate 15-foot radius of each exploration location. The results of the public and private utility locate did not identify potential utilities and/or underground physical hazards in the vicinity of the planned explorations requiring their relocation.

Due to the potential for product piping or other buried utilities, each boring was cleared to an approximate depth of 4 to 5 feet bgs using an air-knife.

Surveying

GeoEngineers field personnel recorded the soil boring locations using global positioning system (GPS) data using a handheld device during sampling activities. The accuracy of the measured and recorded horizontal coordinates was within approximately 3 feet.

Equipment Decontamination

Drilling equipment was decontaminated prior to completing each exploration. In addition, reusable sampling/monitoring equipment (spoons, bowls, core barrels, etc.) that came into contact with soil was decontaminated prior to each use. Decontamination procedures for this equipment generally consisted of the following:

- Wash with non-phosphate detergent solution (Liqui-Nox® and distilled water),
- Rinse with distilled water, and
- Place the decontaminated equipment on clean plastic sheeting or in a plastic bag.

Field personnel limited cross-contamination by changing gloves between sampling events. Wash water used to decontaminate the sampling equipment was placed in a sealed and labeled 55-gallon drum pending permitted offsite disposal.

Soil Sample Collection and Processing

Soil samples from each exploration were collected for chemical analysis of different material types, including:

- Non-saturated fill material.
- Saturated fill material at the water table level observed at the time of drilling.
- Native material without evidence of petroleum contamination and at least 1 foot below the fill/native soil interface.

Within each boring, a hand auger was utilized to collect samples from beneath the surficial gravel layer representative of the 0- to 2-foot and 2- to 4-foot intervals. Sample collection representative of the 4- to 6-foot interval was either a composite of the hand auger and direct push sampling methods or direct push sampling methods based on the air knife clearing depth. From approximately 6 feet to the base of the exploration, samples were collected continuously on 2-foot intervals.

Collected sample intervals were individually homogenized and placed into the appropriate laboratory-supplied sample containers. Samples for volatile chemical analysis (i.e., gasoline and/or volatile organic compounds [VOCs]) were collected from the approximate center of the sampling interval from undisturbed soil sample prior to homogenization using United States Environmental Protection Agency (EPA) Method 5035A sampling procedures and consistent with Ecology guidance to reduce volatilization and biodegradation of the sample constituents. Upon collection, the samples were placed into a cooler with ice for transport to the testing laboratory.

Chemical Analysis

The collected soil samples were submitted to OnSite Environmental, Inc. (OnSite) located in Redmond, Washington for analysis of the following chemical parameters:

- Metals (arsenic, cadmium, chromium, lead and mercury) by EPA 6000/7000 Method Series.
- Gasoline-range petroleum hydrocarbons by NWTPH-Gx.
- Heavy oil- and diesel-range petroleum hydrocarbons by NWTPH-Dx.
- Volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX), ethylene dibromide (EDB), ethylene dichloride (EDC), methyl tert-butyl ether (MTBE) and n-hexane by EPA Method 8260.
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270-SIM.

In accordance with RI/FS Work Plan Addendum No. 2, a minimum of three soil samples were submitted from borings GEI-61 and GEI-63 for initial chemical analysis. Samples collected from the borings that were not submitted for initial chemical analysis were archived for potential follow-up testing based on a review of the initial sample data results. Initial samples were analyzed on an expedited turnaround time to ensure that samples for potential follow up analysis could be completed within the method hold times.

Based on observed soil conditions (field screening and materials encountered), a total of twelve (12) soil samples from borings GEI-61 through GEI-66 (including two duplicate samples) were initially submitted for chemical analysis. An additional eight (8) archived soil samples from borings GEI-61 through GEI-66 were submitted for follow-up chemical analysis based on review of initial analytical results.

Analytical Results

Analytical results for the Southern Boundary Area soil investigation are summarized in Table 1 and shown in Figures 3 through 7. Soil investigation results for the surrounding area are summarized in Table 2. Based on a review of the chemical analytical data, the following exceedances of the preliminary screening levels (PSLs) were identified:

- **Metals** including cadmium, lead and/or mercury exceeded the PSL in soil samples collected at depths ranging from approximately 2 to 6 feet bgs in borings GEI-61, GEI-62, and GEI-64.
- **Gasoline-range petroleum hydrocarbons** exceeded the PSL in the soil sample collected from borings GEI-63 and GEI-65 between approximately 2 to 4 feet bgs and in the soil sample collected from boring GEI-64 between from approximately 4 to 6 feet bgs.
- **Total diesel- and heavy-range petroleum hydrocarbons** exceeded the PSL in the soils samples collected at depths ranging from approximately 2 and 4 feet bgs in borings GEI-61 and GEI-63.
- **VOCs** including benzene and n-hexane exceeded the PSL in the soils samples collected at depths ranging from approximately 4 to 6 feet bgs in borings GEI-61 and GEI-64.
- **PAHs** including 1-methylnaphthalene, 2-methylnapthalene, acenaphthene, acenaphthylene, fluoranthene, fluorene, naphthalene and/or phenanthrene exceeded the PSL in soil samples collected at depths ranging from approximately 2 to 8 feet bgs in borings GEI-61 through GEI-64 and GEI-66. Additionally, total carcinogenic PAHs (cPAHs) calculated using the toxicity equivalency quotient (TEQ) methodology exceeded the PSL in soil samples collected at depths ranging from approximately 2 to 6 feet bgs in borings GEI-61, GEI-62, and GEI-66.

Analytical results for previous soil investigation results are presented in the Interim Action Construction Completion Report, 2nd Street Right-of-Way Soil Investigation Data Report (GeoEngineers 2022), and Riparian Area Soil Investigation Data Report (GeoEngineers 2025a).

Quality Control/Quality Assurance

Laboratory data reports for the Southern Boundary Area soil investigation are presented in Attachment B. An EPA-defined Stage 2B validation (EPA Document 540-R-08-005; EPA 2009) was completed on the laboratory data. Based on the results of the Stage 2B validation, the data were determined to be acceptable for their intended use as qualified. The data validation review is presented in Attachment C. In accordance Policy 540, soil data collected as part of the Southern Boundary Area investigation will be submitted to Ecology's Environmental Information Management (EIM) database.

Investigation Derived Waste

Purge and decontamination water generated by the groundwater monitoring activities was collected and placed in a labeled and secured 55-gallon drum on Site pending transport to a permitted disposal facility. Incidental waste generated during sampling activities included items such as gloves, plastic sheeting, sample tubing, paper towels and similar expended and discarded field supplies were considered *de minimis* and were transferred from the Site for landfill disposal via dumpster or trash receptacle at a GeoEngineers office.

DEVIATIONS FROM THE WORK PLAN

Deviations to the groundwater monitoring program included the following:

- Sample recovery from 10 to 14 feet in boring GEI-66 could not be retained following three separate sampling attempts. Due to concerns for buried utilities in areas not previously cleared by air knife, additional drilling attempts in the vicinity of GEI-66 were not completed.

Other deviations from the RI/FS Work Plan Addendum No. 2 were not observed.

Data Gap Evaluation

The Quiet Cove Southern Boundary Area soil investigation was completed in accordance with the Ecology-approved Work Plan Addendum to further characterize soil conditions within the area southwest of the 2020 Interim Action to further define the nature and extent of contamination observed in verification sidewall samples at the final limits of the remedial excavation. Based on a review of the soil data collected for this area during this and previous environmental investigations, the nature and extent of petroleum-related contamination (primary contaminant of concern) has further been delineated in accordance with RI/FS Work Plan Addendum No. 2. Note that there is a localized area of gasoline-range petroleum hydrocarbon and VOC contamination in the vicinity of GEI-61 and GEI-64. However, based on adjacent sample results, these PSL exceedances do not appear to be associated with the Quiet Cove Site. These results, coupled with other historical data collected at the Site, including groundwater data collected from monitoring wells MW-8 and MW-13, suggest that there is likely an offsite source associated with the Reisner facility.

Additionally, the soil data collected for this area indicate metal exceedances of the PSL are limited in extent and are not widespread in this area. Lastly, although concentrations of PAHs in soil exceed the PSL at multiple locations within this area, previous groundwater monitoring results have not identified PAHs at concentrations greater than the PSLs in Site groundwater. The PSL for metals and PAHs are currently based on protection of surface water. Empirical evidence from groundwater data collected during previous environmental investigations indicates that the soil to groundwater pathway is incomplete for metals and PAHs (i.e., groundwater PSL exceedances not observed). Observations made during drilling indicated the presence of wood debris throughout this area, including the presence of treated timbers in some locations. The presence of wood debris and treated timbers may account for elevated concentrations of PAHs in soil and should be evaluated in the RI/FS. Exploration logs are included in Attachment A.

During preparation of the RI/FS Report, proposed cleanup levels based on complete exposure pathways and ecological receptors will be developed. The RI/FS will also define the nature and extent of metals, PAHs and other Site contamination in soil to identify whether additional remedial actions are required. Additionally, the potential for other offsite sources will be considered.

Limitations

This report has been prepared for the exclusive use of the Port of Anacortes and the Washington State Department of Ecology. No other party may rely on the product of our services unless we agree in advance

and in writing to such reliance. Any use of information, conclusions, and recommendations provided herein for extensions of the project or for any other project, without review and written authorization by GeoEngineers, Inc., shall be at the user's sole risk. Any unauthorized use of (or reliance on) this report shall release GeoEngineers from any liability resulting from such use (or reliance). Within the limitations of scope, schedule, and budget, GeoEngineers, Inc.'s respective services have been provided in a manner consistent with that level of care and skill exercised by members of the profession currently practicing in the same locality under similar conditions as this project. No warranty or other conditions, expressed or implied, should be understood. GeoEngineers, Inc. assumes no responsibility for any consequence arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available.

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

References

GeoEngineers Inc. (GeoEngineers) 2021. Interim Action Construction Completion Report; Quiet Cove Interim Action; Anacortes, Washington; Ecology Agreed Order No. DE 11346. GeoEngineers File No. 5147-024-10. June 22, 2021.

GeoEngineers Inc. (GeoEngineers) 2022. Supplemental 2nd Street Right-of-Way Soil Investigation Data Report for the Quiet Cove Site, Anacortes, Washington Ecology Agreed Order No. 11346. GeoEngineers File No. 5147-024-13. October 3, 2022.

GeoEngineers Inc. (GeoEngineers) 2024. Remedial Investigation/Feasibility Study Work Plan Addendum No. 2 for Supplemental Soil and Groundwater Characterization in the Riparian and Southern Boundary Areas of the Quiet Cove Site, Anacortes, Washington; Ecology Agreed Order No. DE 11346. GeoEngineers File No. 5147-024-12. March 8, 2024.

GeoEngineers Inc. (GeoEngineers) 2025. Riparian Area Soil Sampling and Analysis Progress Report for the Quiet Cove Site, Anacortes, Washington Ecology Agreed Order No. 11346. GeoEngineers File No. 5147-024-14. April 1, 2025.

If you have any questions regarding the Southern Boundary Area soil investigation activities for the Quiet Cove Site, please contact us at 206.728.2674.

Sincerely,
GeoEngineers, Inc.,

Brian J. Tracy, PE
Senior Environmental Engineer

Robert S. Trahan, LG
Associate Environmental Scientist

JMP:BJT:RST:ch

Attachments:
Table 1. Summary of Southern Boundary Soil Investigation Field Screening and Chemical Analytical Results
Table 2. Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results
Figure 1. Vicinity Map
Figure 2. Remedial Investigation Sampling Locations
Figure 3. Summary of Metal Results in Soil
Figure 4. Summary of Gasoline-Range Petroleum Hydrocarbon Results in Soil
Figure 5. Summary of Total Diesel/Heavy Oil-Range Petroleum Hydrocarbon Results in Soil
Figure 6. Summary of VOC Results in Soil
Figure 7. Summary of PAH Results in Soil
Attachment A. Explorations Logs
Attachment B. Laboratory Data Report
Attachment C. Data Validation Report

cc: Brad Tesch, Port of Anacortes
Aubrey Waddail, Chevron

Tables

Table 1

Summary of Southern Boundary Soil Investigation Field Screening and Chemical Analytical Results

Quiet Cove Site
Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-61	GEI-61	GEI-61	GEI-61	GEI-61	GEI-62	GEI-62	GEI-62	GEI-62	GEI-63
Sample Identification			GEI-61_ 2.0-4.0	GEI-61_ 4.0-6.0	GEI-DUP4 (GEI-61_4.0-6.0)	GEI-61_ 10.0-12.0	GEI-61_ 14.0-16.0	GEI-62_ 2.0-4.0	GEI-62_ 4.0-6.0	GEI-62_ 6.0-8.0	GEI-62_ 8.0-10.0	GEI-63_ 2.0-4.0
Sample Date			08/20/25	08/20/25	08/20/25	08/20/25	08/20/25	08/20/25	08/20/25	08/20/25	08/20/25	08/20/25
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	2-4 ft	4-6 ft	4-6 ft	10-12 ft	14-16 ft	2-4 ft	4-6 ft	6-8 ft	8-10 ft	2-4 ft
Sample Type			Vadose	Saturated	Saturated	Saturated	Saturated	Vadose	Saturated	Saturated	Saturated	Vadose
Field Measured Parameters												
Sheen	NE	NE	NS	**SS**	**SS**	NS	NS	**SS**	**SS**	**SS**	**SS**	**SS**
Headspace Vapors (ppm)	NE	NE	<1	<1	<1	<1	<1	**2.1**	<1	<1	<1	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	13 U	12 U	14 U	12 U	12 U	--	--	--	--	12 U
Cadmium	1.2	1.0	**1.9**	0.60 U	0.69 U	0.58 U	0.62 U	0.63 U	--	0.60 U	--	0.58 U
Chromium (Total)	1,000	50	**33 J**	**36 J**	**34**	**26 J**	**34 J**	--	--	--	--	**17**
Lead	250	24	**320**	6.0 UJ	**80 J**	5.8 U	6.2 U	**55**	--	6.0 U	--	**8.8**
Mercury	0.07	0.07	**0.31**	0.060 U	**0.14**	0.058 U	0.062 U	**0.085**	--	0.060 U	--	0.058 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	8.1 U	7.1 U	9.0 U	5.9 U	6.6 U	7.3 U	6.7 U	--	5.2 U	**1,200**
Diesel-Range	2,000	2,000	**2,100**	30 U	**49**	29 U	31 U	**57**	31 U	--	29 U	**11,000**
Heavy Oil-Range	2,000	2,000	**3,300**	60 U	**160**	59 U	62 U	**230**	**80**		58 U	**1,700**
Total Diesel and Heavy Oil-Range	2,000	2,000	**5,400**	60 U	**209**	59 U	62 U	**287**	**80**	--	58 U	**12,700**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.0014 U	**0.0087 J**	**0.066 J**	0.00088 U	0.0010 U	0.0012 U	**0.0018**	--	0.0011 U	0.0012 U
Toluene	3.8	0.22	0.0069 U	0.0045 U	**0.0099**	0.0044 U	0.0051 U	0.0059 U	**0.0061**	--	0.0054 U	0.0059 U
Ethylbenzene	1.1	1.1	0.0014 U	0.00091 UJ	**0.0034 J**	0.00088 U	0.0010 U	0.0012 U	**0.0014**	--	0.0011 U	**0.019**
Total Xylenes	2.8	0.16	0.0027 U	**0.0018 J**	**0.0249 J**	0.0018 U	0.0020 U	0.0024 U	**0.0084**	--	0.0021 U	**0.025**
1,2-Dibromoethane (EDB)	0.002	0.001	0.00069 U	0.00045 U	0.00073 U	0.00044 U	0.00051 U	0.00059 U	0.00055 U	--	0.00054 U	0.00059 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00069 U	0.00045 U	0.00073 U	0.00044 U	0.00051 U	0.00059 U	0.00055 U	--	0.00054 U	0.00059 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.0014 U	0.00091 U	0.0015 U	0.00088 U	0.0010 U	0.0012 U	0.0011 U	--	0.0011 U	0.0012 U
n-Hexane	0.27	0.01	0.0069 U	**0.020 J**	**0.056 J**	0.0044 U	0.0051 U	**0.010**	**0.0068**	--	0.0054 U	0.0059 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	**0.18**	**0.015 J**	**0.064 J**	**0.029**	**0.023**	0.010 U	0.010 U	--	0.0077 U	**40 J**
2-Methylnaphthalene	0.77	0.04	**0.26**	**0.013 J**	**0.10 J**	**0.040**	**0.032**	0.010 U	0.010 U	--	0.0077 U	**48 J**
Acenaphthene	0.32	0.02	0.084 U	0.0080 UJ	0.046 UJ	0.0078 U	0.0083 U	0.010 U	**0.012**	--	0.0077 U	**4.1 J**
Acenaphthylene	NE	0.068	**0.30**	0.0080 UJ	**0.11 J**	0.0078 U	0.0083 U	**0.027**	**0.072**	--	0.0077 U	**0.96 J**
Anthracene	4.4	0.20	**0.22**	0.0080 UJ	**0.070 J**	0.0078 U	0.0083 U	**0.036**	**0.12**	--	0.0077 U	**3.9 J**
Benzo(g,h,i)perylene	NE	2.0	**0.74**	0.0080 UJ	**0.23 J**	0.0078 U	0.0083 U	**0.067**	**0.13**	--	0.0077 U	**0.071 J**
Fluoranthene	0.5	0.16	**0.44**	0.0080 UJ	**0.13 J**	0.0078 U	0.0083 U	**0.20**	**0.50**	--	0.0077 U	0.77 UJ
Fluorene	0.5	0.16	0.084 U	0.0080 UJ	0.046 UJ	0.0078 U	0.0083 U	**0.011**	**0.042**	--	0.0077 U	**6.7 J**
Naphthalene	0.25	0.013	**0.21**	0.0080 UJ	**0.15 J**	0.0078 U	0.0083 U	**0.014**	0.010 U	--	0.0077 U	**1.0 J**
Phenanthrene	NE	0.10	**0.37**	0.0080 UJ	**0.14 J**	0.0078 U	0.0083 U	**0.11**	**0.42**	--	0.0077 U	**24 J**
Pyrene	20	1.0	**0.52**	0.0080 UJ	**0.15 J**	0.0078 U	0.0083 U	**0.22**	**0.58**	--	0.0077 U	0.77 UJ
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	**0.27**	0.0080 UJ	**0.071 J**	0.0078 U	0.0083 U	**0.097**	**0.22**	--	0.0077 U	**0.099 J**
Benzo(a)pyrene			**0.47**	0.0080 UJ	**0.15 J**	0.0078 U	0.0083 U	**0.10**	**0.21**	--	0.0077 U	**0.10 J**
Benzo(b)fluoranthene			**0.49**	0.0080 UJ	**0.20 J**	0.0078 U	0.0083 U	**0.10**	**0.21**	--	0.0077 U	**0.12 J**
Benzo(j,k)fluoranthene			**0.34**	0.0080 UJ	**0.051 J**	0.0078 U	0.0083 U	**0.029**	**0.058**	--	0.0077 U	**0.036 J**
Chrysene			**0.36**	0.0080 UJ	**0.096 J**	0.0078 U	0.0083 U	**0.092**	**0.20**	--	0.0077 U	**0.12 J**
Dibenzo(a,h)anthracene			0.084 U	0.0080 UJ	0.046 UJ	0.0078 U	0.0083 U	**0.014**	**0.026**	--	0.0077 U	**0.013 J**
Indeno(1,2,3-c,d)pyrene			**0.54**	0.0080 UJ	**0.18 J**	0.0078 U	0.0083 U	**0.057**	**0.11**	--	0.0077 U	**0.060 J**
Total cPAH TEQ[4] (ND=0)	0.19[5]	0.01[5]	**0.64**	0 UJ	**0.20 J**	0 U	0 U	**0.131**	**0.27**	--	0 U	**0.13 J**
Total cPAH TEQ[4] (ND=0.5RL)	0.19[5]	0.01[5]	**0.64**	0.0060 UJ	**0.20 J**	0.0059 U	0.0063 U	**0.131**	**0.27**	--	0.0058 U	**0.13 J**

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS = No Sheen; MS = Medium Sheen; HS = High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 1

Summary of Southern Boundary Soil Investigation Field Screening and Chemical Analytical Results

Quiet Cove Site

Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-63	GEI-63	GEI-63	GEI-64	GEI-64	GEI-64	GEI-65	GEI-65	GEI-66	GEI-66
Sample Identification			GEI-63_ 6.0-8.0	GEI-63_ 12.0-14.0	GEI-DUP6 (GEI-63_12.0-14.0)	GEI-64_ 2.0-4.0	GEI-64_ 4.0-6.0	GEI-64_ 8.0-10.0	GEI-65_ 2.0-4.0	GEI-65_ 4.0-6.0	GEI-66_ 2.0-4.0	GEI-66_ 4.0-6.0
Sample Date			08/20/25	08/20/25	08/20/25	08/20/25	08/20/25	08/20/25	08/21/25	08/21/25	08/21/25	08/21/25
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	6-8 ft	12-14 ft	12-14 ft	2-4 ft	4-6 ft	8-10 ft	2-4 ft	4-6 ft	2-4 ft	4-6 ft
Sample Type			Saturated	Saturated	Saturated	Vadose	Saturated	Saturated	Vadose	Saturated	Vadose	Saturated
Field Measured Parameters												
Sheen	NE	NE	**SS**	NS	NS	NS	**MS**	NS	NS	NS	**SS**	**SS**
Headspace Vapors (ppm)	NE	NE	**1.2**	<1	<1	<1	**31.4**	<1	<1	<1	**2.8**	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	12 U	12 U	12 U	--	13 U	--	--	12 U	--	--
Cadmium	1.2	1.0	0.62 U	0.61 U	0.61 U	0.60 U	0.63 U	--	--	0.59 U	--	--
Chromium	1,000	50	**33**	**17**	**16**	--	**32**	--	--	**23**	--	--
Lead	250	24	6.2 U	6.1 U	6.1 U	**210**	6.3 U	--	--	5.9 U	--	--
Mercury	0.07	0.07	0.062 U	0.061 U	0.061 U	**0.17**	0.063 U	--	--	0.059 U	--	--
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	7.3 U	6.3 U	6.0 U	--	**80**	6.1 U	**66 J**	6.9 U	7.1 U	6.5 U
Diesel-Range	2,000	2,000	**45**	31 U	31 U	--	**32 J**	29 U	**1,200**	30 U	31 U	31 U
Heavy Oil-Range	2,000	2,000	62 U	62 U	61 U		**260**	59 U	**150 J**	59 U	**260**	**95**
Total Diesel and Heavy Oil-Range	2,000	2,000	**45**	62 U	61 U	--	**292 J**	59 U	**1,350 J**	59 U	**260**	**95**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.00095 U	0.00099 U	0.0010 U	--	**0.055**	0.0010 U	0.0011 U	0.00094 U	0.0011 U	0.0015 U
Toluene	3.8	0.22	0.0048 U	0.0049 U	0.0051 U	--	**0.014**	0.0051 U	0.0057 U	0.0047 U	0.0055 U	0.0077 U
Ethylbenzene	1.1	1.1	0.00095 U	0.00099 U	0.0010 U	--	**0.0055**	0.0010 U	0.0011 U	0.00094 U	0.0011 U	0.0015 U
Total Xylenes	2.8	0.16	0.0019 U	0.0020 U	0.0020 U	--	**0.043**	0.0020 U	0.0023 U	0.0019 U	0.0022 U	0.0031 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.00048 U	0.00049 U	0.00051 U	--	0.00056 U	0.00051 U	0.00057 U	0.00047 U	0.00055 U	0.00077 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00048 U	0.00049 U	0.00051 U	--	0.00056 U	0.00051 U	0.00057 U	0.00047 U	0.00055 U	0.00077 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.00095 U	0.00099 U	0.0010 U	--	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.0011 U	0.0015 U
n-Hexane	0.27	0.01	0.0048 U	0.0049 U	0.0051 U	--	**0.40**	0.0051 U	**0.051**	0.0047 U	0.0055 U	0.0077 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	**0.059**	0.0082 U	**0.0095**	--	**0.033**	0.0078 U	**0.0085**	**0.015**	**0.049**	0.010 U
2-Methylnaphthalene	0.77	0.04	**0.074**	0.0082 U	**0.014**	--	**0.034**	0.0078 U	0.0082 U	**0.021**	**0.047**	0.010 U
Acenaphthene	0.32	0.02	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	0.012 U	0.0079 U	**0.065**	0.010 U
Acenaphthylene	NE	0.068	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.032**	0.0079 U	**0.34**	0.010 U
Anthracene	4.4	0.20	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	0.0082 U	0.0079 U	**0.46**	0.010 U
Benzo(g,h,i)perylene	NE	2.0	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.022**	0.0079 U	**0.47**	0.010 U
Fluoranthene	0.5	0.16	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.045**	0.0079 U	**1.8**	0.010 U
Fluorene	0.5	0.16	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	0.0082 U	0.0079 U	**0.17**	0.010 U
Naphthalene	0.25	0.013	0.0082 U	0.0082 U	0.0082 U	--	**0.029**	0.0078 U	0.0082 U	0.0079 U	**0.088**	0.010 U
Phenanthrene	NE	0.10	**0.023**	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.053**	0.0079 U	**1.6**	0.010 U
Pyrene	20	1.0	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.049**	0.0079 U	**2.2**	0.010 U
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.021**	0.0079 U	**0.78**	0.010 U
Benzo(a)pyrene			0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.029**	0.0079 U	**0.77**	0.010 U
Benzo(b)fluoranthene			0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.032**	0.0079 U	**0.73**	0.010 U
Benzo(j,k)fluoranthene			0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.0091**	0.0079 U	**0.31**	0.010 U
Chrysene			0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.028**	0.0079 U	**0.79**	0.010 U
Dibenzo(a,h)anthracene			0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	0.0082 U	0.0079 U	**0.11**	0.010 U
Indeno(1,2,3-c,d)pyrene			0.0082 U	0.0082 U	0.0082 U	--	0.0084 U	0.0078 U	**0.020**	0.0079 U	**0.43**	0.010 U
Total cPAH TEQ[4] (ND=0)	0.19[5]	0.01[5]	0 U	0 U	0 U	--	0 U	0 U	**0.037**	0 U	**1.01**	0 U
Total cPAH TEQ[4] (ND=0.5RL)	0.19[5]	0.01[5]	0.0062 U	0.0062 U	0.0062 U	--	0.0063 U	0.0059 U	**0.038**	0.0060 U	**1.01**	0.008 U

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site

Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-1	GEI-1	GEI-2	GEI-2	GEI-2	GEI-20	GEI-28	GEI-38	GEI-38	GEI-38
Sample Identification			GEI-1-3-033114	GEI-1-5-033114	GEI-2-1-033114	GEI-2-3-033114	GEI-2-5-033114	GEI-20-3-040114	GEI-28-4-040214	GEI-38-2-4_091917	GEI-38-5-7_091917	GEI-38-12-14_091917
Sample Date			03/31/14	03/31/14	03/31/14	03/31/14	03/31/14	04/01/14	04/02/14	09/19/17	09/19/17	09/19/17
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	4-6 ft	8-10 ft	0-2 ft	4-6 ft	8-10 ft	4-6 ft	6-8 ft	2-4 ft	5-7 ft	12-14 ft
Sample Type			Vadose	Saturated	Vadose	Saturated	Saturated	Vadose	Vadose	Vadose	Saturated	Saturated
Field Measured Parameters												
Sheen	NE	NE	**HS**	NS	NS	**MS**	NS	NS	NS	NS	NS	NS
Headspace Vapors (ppm)	NE	NE	**155**	<1	<1	**255**	**53**	<1	<1	<1	<1	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	--	--	--	--	--	--	--	**3.49 J**	**1.33 J**	**2.82 J**
Cadmium	1.2	1.0	--	--	--	--	--	--	--	**0.15**	**0.040 J**	**0.060 J**
Chromium (Total)	1,000	50	--	--	--	--	--	--	--	**24.9 J**	**33.7 J**	**77.7 J**
Lead	250	24	--	--	--	--	--	--	--	**195 J**	**2.84 J**	**3.28 J**
Mercury	0.07	0.07	--	--	--	--	--	--	--	**0.115**	0.0259 U	**0.0307**
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	7.4 U	7.8 U	3.4 U	7.7 U	3.8 U	3.9 U	4.0 U	5.11 U	6.16 U	6.08 U
Diesel-Range	2,000	2,000	**5,800**	**540**	**48**	**2,400**	**510**	29 U	29 U	**68.9**	5.75 U	5.77 U
Heavy Oil-Range	2,000	2,000	**940**	**97**	**210**	**190**	**77**	59 U	58 U	**189**	11.5 U	11.5 U
Total Diesel and Heavy Oil-Range	2,000	2,000	**6,740**	**637**	**258**	**2,590**	**587**	59 U	58 U	**258**	12 U	12 U
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.020 U	0.020 U	**0.055**	0.020 U	0.020 U	0.020 U	0.020 U	**0.00125**	**0.00060 J**	0.00105 U
Toluene	3.8	0.22	0.074 U	0.078 U	**0.039**	0.077 U	0.038 U	0.039 U	0.040 U	**0.00257**	0.00106 U	0.00105 U
Ethylbenzene	1.1	1.1	**0.24**	0.078 U	**0.21**	0.077 U	0.038 U	0.039 U	0.040 U	0.00094 U	0.00106 U	0.00105 U
Total Xylenes	2.8	0.16	**0.64**	0.078 U	**0.31**	0.077 U	0.038 U	0.039 U	0.040 U	**0.00137**	0.00213 U	0.00209 U
1,2-Dibromoethane (EDB)	0.002	0.001	--	--	--	--	--	--	--	0.00094 U	0.00106 U	0.00105 U
1,2-Dichloroethane (EDC)	0.020	0.001	--	--	--	--	--	--	--	0.00094 U	0.00106 U	0.00105 U
Methyl t-butyl ether (MTBE)	2.6	0.18	--	--	--	--	--	--	--	0.00094 U	0.00106 U	0.00105 U
n-Hexane	0.27	0.01	--	--	--	--	--	--	--	0.00094 U	0.00106 U	0.00105 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	--	--	--	--	--	--	--	**0.00898**	0.00481 U	0.00479 U
2-Methylnaphthalene	0.77	0.04	--	--	--	--	--	--	--	**0.0131**	0.00481 U	0.00479 U
Acenaphthene	0.32	0.02	--	--	--	--	--	--	--	**0.00551**	**0.00247 J**	0.00479 U
Acenaphthylene	NE	0.068	--	--	--	--	--	--	--	**0.0305**	0.00481 U	0.00479 U
Anthracene	4.4	0.20	--	--	--	--	--	--	--	**0.0516**	0.00481 U	0.00479 U
Benzo(g,h,i)perylene	NE	2.0	--	--	--	--	--	--	--	**0.155**	**0.00306 J**	0.00479 U
Fluoranthene	0.5	0.16	--	--	--	--	--	--	--	**0.323**	**0.0138**	0.00479 U
Fluorene	0.5	0.16	--	--	--	--	--	--	--	**0.0160**	0.00481 U	0.00479 U
Naphthalene	0.25	0.013	--	--	--	--	--	--	--	**0.0159**	**0.00287 J**	0.00479 U
Phenanthrene	NE	0.10	--	--	--	--	--	--	--	**0.174**	**0.00755**	0.00479 U
Pyrene	20	1.0	--	--	--	--	--	--	--	**0.342**	**0.00986**	0.00479 U
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	--	--	--	--	--	--	--	**0.169**	**0.00313 J**	0.00479 U
Benzo(a)pyrene			--	--	--	--	--	--	--	**0.183**	**0.00302 J**	0.00479 U
Benzo(b)fluoranthene			--	--	--	--	--	--	--	**0.12**	**0.00188 J**	0.00479 U
Benzo(j,k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene			--	--	--	--	--	--	--	**0.0737**	**0.00159 J**	0.00479 U
Chrysene			--	--	--	--	--	--	--	**0.168**	**0.00312 J**	0.00479 U
Dibenzo(a,h)anthracene			--	--	--	--	--	--	--	**0.0372**	0.00481 U	0.00479 U
Indeno(1,2,3-c,d)pyrene			--	--	--	--	--	--	--	**0.12**	0.00481 U	0.00479 U
Total cPAH TEQ[4] (ND=0)	0.19[5]	0.01[5]	--	--	--	--	--	--	--	**0.2293**	**0.00355 J**	0 U
Total cPAH TEQ[4] (ND=0.5RL)	0.19[5]	0.01[5]	--	--	--	--	--	--	--	**0.2293**	**0.00403 J**	0.00337 U

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS = No Sheen; MS = Medium Sheen; HS = High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site
Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-39	GEI-39	GEI-39	GEI-40	GEI-40	GEI-40	GEI-44	GEI-44	GEI-44	MW-8
Sample Identification			GEI-39-1-3_091517	GEI-39-5-7_091517	GEI-39-8-10_091517	GEI-40-2-4_091917	GEI-40-5-7_091917	GEI-40-12-14_091917	GEI-44-2-4_091317	GEI-44-7-9_091317	GEI-44-10-12_091317	MW-8-2-4_091917
Sample Date			09/15/17	09/15/17	09/15/17	09/19/17	09/19/17	09/19/17	09/13/17	09/13/17	09/13/17	09/19/17
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	1-3 ft	5-7 ft	8-10 ft	2-4 ft	5-7 ft	12-14 ft	2-4 ft	7-9 ft	10-12 ft	2-4 ft
Sample Type			Vadose	Saturated	Saturated	Vadose	Saturated	Saturated	Vadose	Saturated	Saturated	Vadose
Field Measured Parameters												
Sheen	NE	NE	NS	**SS**	NS	NS	**SS**	NS	NS	NS	NS	NS
Headspace Vapors (ppm)	NE	NE	<1	<1	<1	<1	**18**	<1	<1	<1	<1	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	**3.52**	**5.92**	**1.48**	**5.18 J**	**2.35 J**	**1.32 J**	**4.73**	**1.53**	**1.34**	--
Cadmium	1.2	1.0	**0.10**	**0.49**	0.11 U	**0.13**	**0.61**	**0.020 J**	**0.24**	**0.070 J**	**0.020 J**	--
Chromium (Total)	1,000	50	**19.0**	**34.2**	**17.4**	**19.3 J**	**22.1 J**	**19.7 J**	**25.1**	**16.3**	**19.3**	--
Lead	250	24	**129**	**121**	**10.9**	**267 J**	**60.1 J**	**1.59 J**	**28.7**	**0.94**	**1.08**	--
Mercury	0.07	0.07	**0.05142**	**0.1407**	0.02027 U	**0.0583**	**0.0587**	0.0244 U	**0.03667**	0.02592 U	0.02461 U	--
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	6.34 U	**426**	6.28 U	**28.5**	**20.1**	4.61 U	6.23 U	6.86 U	6.4 U	6.67 U
Diesel-Range	2,000	2,000	**19.5**	**1,030**	**11.5**	**69.1**	**11.5**	5.49 U	**57.0**	5.93 U	5.75 U	**14.6**
Heavy Oil-Range	2,000	2,000	**92.9**	**2,340**	**26.3**	**150**	**19.3**	11.0 U	**247**	11.9 U	11.5 U	**30.9**
Total Diesel and Heavy Oil-Range	2,000	2,000	**112**	**3,370**	**38**	**219**	**31**	11 U	**304**	12 U	12 U	**46**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.00114 U	**0.00174**	**0.00141**	0.00120 U	**0.00237**	0.00090 U	**0.00098 J**	0.00109 U	0.00110 U	0.00097 U
Toluene	3.8	0.22	0.00114 U	**0.00179**	0.00099 U	**0.00049 J**	**0.00095 J**	0.00090 U	**0.00041 J**	0.00109 U	0.00110 U	**0.00030 J**
Ethylbenzene	1.1	1.1	0.00114 U	0.00129 U	0.00099 U	0.00120 U	**0.00028 J**	0.00090 U	0.00107 U	0.00109 U	0.00110 U	0.00097 U
Total Xylenes	2.8	0.16	0.00229 U	**0.00519**	0.00198 U	0.00239 U	**0.00062 J**	0.0018 U	0.00213 U	0.00219 U	0.00220 U	0.00194 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.00114 U	0.00129 U	0.00099 U	0.00120 U	0.00106 U	0.00090 U	0.00107 U	0.00109 U	0.00110 U	0.00097 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00114 U	0.00129 U	0.00099 U	0.00120 U	0.00106 U	0.00090 U	0.00107 U	0.00109 U	0.00110 U	0.00097 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.00114 U	0.00129 U	0.00099 U	0.00120 U	0.00106 U	0.00090 U	0.00107 U	0.00109 U	0.00110 U	0.00097 U
n-Hexane	0.27	0.01	0.00114 U	0.00129 U	0.00099 U	0.00120 U	0.00106 U	0.00090 U	0.00107 U	0.00109 U	0.00110 U	0.00097 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	**0.00436 J**	**1.97**	**0.00422 J**	**0.0135**	**0.0115**	0.00495 U	**0.0685**	0.00494 U	0.00479 U	--
2-Methylnaphthalene	0.77	0.04	**0.00404 J**	**1.3**	**0.00441 J**	**0.0149**	**0.0129**	0.00495 U	**0.104**	0.00494 U	0.00479 U	--
Acenaphthene	0.32	0.02	0.00466 U	**0.327**	**0.00359 J**	**0.00411 J**	**0.00532**	0.00495 U	0.00479 U	0.00494 U	0.00479 U	--
Acenaphthylene	NE	0.068	**0.00812**	**0.717**	**0.00471 J**	**0.0395**	**0.0191**	0.00495 U	**0.0138**	0.00494 U	0.00479 U	--
Anthracene	4.4	0.20	**0.00974**	**1.14**	**0.00447 J**	**0.0672**	**0.0364**	0.00495 U	**0.0242**	0.00494 U	0.00479 U	--
Benzo(g,h,i)perylene	NE	2.0	**0.0350**	**2.21**	**0.00573**	**0.151**	**0.0655**	0.00495 U	**0.1**	0.00494 U	0.00479 U	--
Fluoranthene	0.5	0.16	**0.0676**	**6.78**	**0.0345**	**0.274 J**	**0.318**	0.00495 U	**0.0937**	0.00494 U	0.00479 U	--
Fluorene	0.5	0.16	**0.00460 J**	**0.397**	**0.00397 J**	**0.0227**	**0.0217**	0.00495 U	**0.00363 J**	0.00494 U	0.00479 U	--
Naphthalene	0.25	0.013	**0.00557**	**1.2**	**0.00703**	**0.0186**	**0.0159**	0.00495 U	**0.162**	0.00494 U	0.00479 U	--
Phenanthrene	NE	0.10	**0.0400**	**1.82**	**0.0134**	**0.238 J**	**0.212**	0.00495 U	**0.0843**	0.00494 U	0.00479 U	--
Pyrene	20	1.0	**0.0765**	**7.23**	**0.0442**	**0.313 J**	**0.27**	0.00495 U	**0.102**	0.00494 U	0.00479 U	--
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	**0.0371**	**3.82**	**0.0112**	**0.141**	**0.0940**	0.00495 U	**0.0477**	0.00494 U	0.00479 U	--
Benzo(a)pyrene			**0.0378**	**3.29**	**0.00879**	**0.147**	**0.0898**	0.00495 U	**0.0515**	0.00494 U	0.00479 U	--
Benzo(b)fluoranthene			**0.0303**	**2.25**	**0.00586**	**0.126**	**0.0664**	0.00495 U	**0.0469**	0.00494 U	0.00479 U	--
Benzo(j,k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene			**0.0162**	**1.32**	**0.00358 J**	**0.0744**	**0.0380**	0.00495 U	**0.0248**	0.00494 U	0.00479 U	--
Chrysene			**0.0428**	**3.66**	**0.00993**	**0.171 J**	**0.113**	0.00495 U	**0.0605**	0.00494 U	0.00479 U	--
Dibenzo(a,h)anthracene			**0.00847**	**0.734**	0.00495 U	**0.0322**	**0.0160**	0.00495 U	**0.0129 J**	0.00494 U	0.00479 U	--
Indeno(1,2,3-c,d)pyrene			**0.0273**	**1.82**	**0.00510**	**0.107**	**0.0475**	0.00495 U	**0.0536**	0.00494 U	0.00479 U	--
Total cPAH TEQ[4] (ND=0)	0.195	0.015	**0.0485**	**4.19**	**0.0111**	**0.189 J**	**0.113**	0 U	**0.0682 J**	0 U	0 U	--
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	**0.0485**	**4.19**	**0.0114**	**0.189 J**	**0.113**	0.00348 U	**0.0682 J**	0.00348 U	0.00337 U	--

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site

Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		MW-8	GEI-46	GEI-46	GEI-46	GEI-46	GEI-47	GEI-47	GEI-47	GEI-47	GEI-50
Sample Identification			MW-8-5-7_091917	GEI-46_0-2	GEI-46_6-8	GEI-46_12-14	GEI-46_16-18	GEI-47_0-2	GEI-47_4-6	GEI-47_10-12	GEI-47_14-16	GEI-50_0-2
Sample Date			09/19/17	07/05/22	07/05/22	07/05/22	07/05/22	07/05/22	07/05/22	07/05/22	07/05/22	07/05/22
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	5-7 ft	0-2 ft	6-8 ft	12-14 ft	16-18 ft	0-2 ft	4-6 ft	10-12 ft	14-16 ft	0-2 ft
Sample Type			Saturated	Vadose	Vadose	Saturated	Saturated	Vadose	Vadose	Saturated	Saturated	Vadose
Field Measured Parameters												
Sheen	NE	NE	NS	**SS**	**HS**	**SS**	NS	NS	**HS**	NS	NS	NS
Headspace Vapors (ppm)	NE	NE	<1	**3.6**	**467.4**	**28.4**	**1.8**	**96.3**	**489.3**	**23.3**	**4.2**	**4.9**
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	--	10 U	11 U	12 U	11 U	10 U	12 U	12 U	11 U	10 U
Cadmium	1.2	1.0	--	0.52 U	0.56 U	0.60 U	0.57 U	0.52 U	0.58 U	0.59 U	0.53 U	0.51 U
Chromium (Total)	1,000	50	--	**32**	**13**	**24**	**26**	**29**	**44**	**16**	**24**	**33**
Lead	250	24	--	**44**	5.6 U	6.0 U	5.7 U	**43**	**25**	5.9 U	5.3 U	**6.0**
Mercury	0.07	0.07	--	0.052 U	0.056 U	0.060 U	0.057 U	0.055	**0.060**	0.059 U	0.053 U	0.051 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	6.32 U	3.9 U	1,200 U	4.6 U	3.5 U	**31 J**	1,200 U	4.2 U	3.0 U	4.7 U
Diesel-Range	2,000	2,000	**9.52**	60 U	**3,500**	30 U	29 U	**2,600 J**	**2,600**	**89**	**27**	26 U
Heavy Oil-Range	2,000	2,000	**44.1**	**670**	**710 J**	**62**	57 U	**6,000 J**	**1,400**	**150**	**71**	**320**
Total Diesel and Heavy Oil-Range	2,000	2,000	**54**	**670**	**4,210 J**	**62**	57 U	**8,600 J**	**4,000**	**239**	**98**	**320**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	**0.00474**	0.00073 U	0.0011 U	0.00068 U	0.00074 U	**0.00094**	0.0013 U	0.00072 U	0.00059 U	0.00057 U
Toluene	3.8	0.22	**0.00188**	0.0037 U	0.0055 U	0.0034 U	0.0037 U	0.0034 U	0.0063 U	0.0036 U	0.0030 U	0.0029 U
Ethylbenzene	1.1	1.1	**0.00088 J**	0.00073 U	0.0025 U	0.00068 U	0.00074 U	**0.0014**	0.0024 U	0.00072 U	0.00059 U	0.00057 U
Total Xylenes	2.8	0.16	**0.00304 J**	0.0015 U	0.0096 U	0.0014 U	0.0015 U	**0.0078**	0.0063 U	0.0014 U	0.0012 U	0.0011 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.00107 U	0.00037 U	0.00055 U	0.00034 U	0.00037 U	0.00034 U	0.00063 U	0.00036 U	0.00030 U	0.00029 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00107 U	0.00037 U	0.00055 U	0.00034 U	0.00037 U	0.00034 U	0.00063 U	0.00036 U	0.00030 U	0.00029 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.00107 U	0.00073 U	0.0011 U	0.00068 U	0.00074 U	0.00068 U	0.0013 U	0.00072 U	0.00059 U	0.00057 U
n-Hexane	0.27	0.01	**0.00380**	0.0037 U	0.0055 U	0.0034 U	0.0037 U	0.0034 U	0.0063 U	0.0036 U	0.0030 U	0.0029 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	--	**0.033**	**6.5**	0.0099 U	0.0076 U	**1.1**	**4.6**	**0.14**	**0.0082**	0.0068 U
2-Methylnaphthalene	0.77	0.04	--	**0.050**	**4.5 J**	0.0080 U	0.0076 U	**1.6**	**7.1**	**0.23**	**0.0074**	**0.0080**
Acenaphthene	0.32	0.02	--	0.0069 U	**0.43**	0.0080 U	0.0076 U	**0.22**	**0.22**	**0.014**	0.0071 U	0.0068 U
Acenaphthylene	NE	0.068	--	**0.25**	**0.17**	0.0080 U	0.0076 U	**0.093**	**0.10**	**0.0079**	0.0071 U	**0.012**
Anthracene	4.4	0.20	--	**2.9**	**0.017 J**	0.0080 U	0.0076 U	**0.21**	**0.082**	**0.012**	0.0071 U	**0.020**
Benzo(g,h,i)perylene	NE	2.0	--	**0.43**	**0.010 J**	0.0080 U	0.0076 U	**0.13**	**0.073**	**0.011**	0.0071 U	**0.026**
Fluoranthene	0.5	0.16	--	**0.72**	**0.022 J**	0.0080 U	0.0076 U	**0.14**	**0.15**	**0.013**	0.0071 U	**0.018**
Fluorene	0.5	0.16	--	**0.017**	**0.62**	0.0080 U	0.0076 U	**0.31**	**0.51**	**0.026**	0.0071 U	0.0068 U
Naphthalene	0.25	0.013	--	**0.026**	**0.50 J**	0.0080 U	0.0076 U	**0.37**	**0.73**	**0.037**	0.0071 U	0.0068 U
Phenanthrene	NE	0.10	--	**0.16**	**0.52**	0.0080 U	0.0076 U	**0.64**	**0.62**	**0.042**	0.0071 U	**0.0083**
Pyrene	20	1.0	--	**0.67**	**0.026 J**	0.0080 U	0.0076 U	**0.59**	**0.15**	**0.034**	0.0071 U	**0.024**
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	--	**0.36**	**0.013**	0.0040 U	0.0038 U	**0.22**	**0.080**	**0.013**	0.0036 U	**0.013**
Benzo(a)pyrene			--	**0.27**	**0.017**	0.0080 U	0.0076 U	**0.13**	**0.091**	**0.0098**	0.0071 U	**0.018**
Benzo(b)fluoranthene			--	**0.50**	**0.015 J**	0.0080 U	0.0076 U	**0.13**	**0.082**	**0.012**	0.0071 U	**0.038**
Benzo(j,k)fluoranthene			--	**0.17**	0.0074 U	0.0080 U	0.0076 U	0.034 U	**0.024**	0.0079 U	0.0071 U	**0.0099**
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			--	**0.45**	**0.031**	0.0080 U	0.0076 U	**0.33**	**0.11**	**0.022**	0.0071 U	**0.024**
Dibenzo(a,h)anthracene			--	**0.073**	0.0074 U	0.0080 U	0.0076 U	0.034 U	**0.015**	0.0079 U	0.0071 U	0.0068 U
Indeno(1,2,3-c,d)pyrene			--	**0.33**	**0.0085**	0.0080 U	0.0076 U	**0.077**	**0.062**	0.0079 U	0.0071 U	**0.019**
Total cPAH TEQ[4] (ND=0)	0.195	0.015	--	**0.42**	**0.020 J**	0 U	0 U	**0.18**	**0.12**	**0.013**	0 U	**0.026**
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	--	**0.42**	**0.022 J**	0.0058 U	0.0055 U	**0.18**	**0.12**	**0.014**	0.0052 U	**0.027**

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site

Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-50	GEI-50	GEI-51	GEI-51	GEI-51	GEI-51	GEI-54	GEI-54	GEI-54	GEI-55
Sample Identification			GEI-50_ 4-6	GEI-50_ 8-10	GEI-51_ 0-2	GEI-51_ 6-8	GEI-51_ 10-12	GEI-51_ 12-14[6]	GEI-54_ 2.0-4.0	GEI-54_ 6.0-8.0	GEI-54_ 12.0-14.0	GEI-55_ 2.0-4.0
Sample Date			07/05/22	07/04/22	07/05/22	07/05/22	07/05/22	07/05/22	11/13/24	11/13/24	11/13/24	11/13/24
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	4-6 ft	8-10 ft	0-2 ft	6-8 ft	10-12 ft	12-14 ft	2-4 ft	6-8 ft	12-14 ft	2-4 ft
Sample Type			Vadose	Saturated	Vadose	Vadose	Saturated	Saturated	Vadose	Saturated	Saturated	Vadose
Field Measured Parameters												
Sheen	NE	NE	**SS**	NS	**SS**	**MS**	NS	NS	NS	NS	NS	NS
Headspace Vapors (ppm)	NE	NE	**3.6**	**3.0**	**6.4**	**8.3**	**0.4**	< 1	<1	<1	<1	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	11 U	12 U	10 U	12 U	12 U	--	11 U	12 U	11 U	12 U
Cadmium	1.2	1.0	0.56 U	0.62 U	0.51 U	0.59 U	0.61 U	--	0.55 U	0.58 U	0.53 U	0.59 U
Chromium (Total)	1,000	50	**13**	**15**	**19**	**18**	**16**	--	**18**	**13**	**23**	**18**
Lead	250	24	**14**	6.2 U	**6.1**	**11 J**	6.1 U	--	5.5 U	5.8 U	5.3 U	**7.5**
Mercury	0.07	0.07	0.056 U	0.062 U	0.051 U	0.059 U	0.061 U	--	0.055 U	0.058 U	0.053 U	0.059 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	3.9 U	4.7 U	4.2 U	5.7 U	4.5 U	--	6.1 U	6.7 U	4.4 U	5.7 U
Diesel-Range	2,000	2,000	47 U	31 U	26 U	33 U	30 U	--	28 U	**44**	26 U	30 U
Heavy Oil-Range	2,000	2,000	**290**	62 U	**90**	**130**	61 U		55 U	58 U	53 U	59 U
Total Diesel and Heavy Oil-Range	2,000	2,000	**290**	62 U	**90**	**130**	61 U	--	55 U	**44**	53 U	59 U
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.00067 U	0.00067 U	0.00086 U	0.00073 U	0.00074 U	--	0.0010 U	0.0011 U	0.00088 U	0.0010 U
Toluene	3.8	0.22	0.0033 U	0.0034 U	0.0043 U	0.0037 U	0.0037 U	--	0.0010 U	0.0011 U	0.00088 U	0.0010 U
Ethylbenzene	1.1	1.1	0.00067 U	0.00067 U	0.00086 U	0.00073 U	0.00074 U	--	0.0010 U	0.0011 U	0.00088 U	0.0010 U
Total Xylenes	2.8	0.16	0.0013 U	0.0013 U	0.0017 U	0.0015 U	0.0015 U	--	0.0020 U	0.0023 U	0.0018 U	0.0020 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.00033 U	0.00034 U	0.00043 U	0.00037 U	0.00037 U	--	0.00050 U	0.00057 U	0.00044 U	0.00050 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00033 U	0.00034 U	0.00043 U	0.00037 U	0.00037 U	--	0.00050 U	0.00057 U	0.00044 U	0.00050 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.00067 U	0.00067 U	0.00086 U	0.00073 U	0.00074 U	--	0.0010 U	0.0011 U	0.00088 U	0.0010 U
n-Hexane	0.27	0.01	0.0033 U	0.0034 U	0.0043 U	0.0037 U	0.0037 U	--	0.0050 U	0.0057 U	0.0044 U	0.0050 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	**0.16**	0.0082 U	0.0068 U	**0.36**	**0.066**	0.0078 UJ	0.0037 U	0.0038 U	0.0035 U	0.0039 U
2-Methylnaphthalene	0.77	0.04	**0.34**	0.0082 U	0.0068 U	**0.53**	**0.061**	0.0078 UJ	0.0047	0.0038 U	0.0035 U	**0.0058**
Acenaphthene	0.32	0.02	**0.036**	0.0082 U	0.0068 U	0.0079 U	0.0081 U	0.0078 UJ	0.0037 U	0.0038 U	0.0035 U	0.0039 U
Acenaphthylene	NE	0.068	**0.67**	0.0082 U	0.0068 U	**0.022**	0.0081 U	0.0078 UJ	**0.0047**	0.0038 U	0.0035 U	**0.030**
Anthracene	4.4	0.20	**1.4**	0.0082 U	0.0068 U	**0.053**	0.0081 U	0.0078 UJ	0.0037 U	0.0038 U	0.0035 U	**0.038**
Benzo(g,h,i)perylene	NE	2.0	**3.0**	0.0082 U	**0.012**	**0.036**	0.0081 U	0.0078 UJ	**0.0089**	0.0038 U	0.0035 U	**0.14**
Fluoranthene	0.5	0.16	**11**	0.0082 U	**0.044**	**0.10**	**0.012**	0.0078 UJ	**0.0060**	0.0038 U	0.0035 U	**0.36**
Fluorene	0.5	0.16	**0.18**	0.0082 U	0.0068 U	**0.026**	0.0081 U	0.0078 UJ	0.0037 U	0.0038 U	0.0035 U	**0.0068**
Naphthalene	0.25	0.013	**0.48**	0.0082 U	**0.0079**	**0.29**	**0.046**	0.0078 UJ	0.0037 U	0.0038 U	0.0035 U	**0.012**
Phenanthrene	NE	0.10	**4.3**	0.0082 U	**0.025**	**0.15**	**0.020**	0.0078 UJ	**0.0056**	0.0038 U	0.0035 U	**0.13**
Pyrene	20	1.0	**11**	0.0082 U	**0.039**	**0.13**	**0.012**	0.0078 UJ	**0.0074**	0.0038 U	0.0035 U	**0.41**
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	**5.4**	0.0041 U	**0.019**	**0.065**	0.0040 U	0.0078 UJ	**0.0047**	0.0038 U	0.0035 U	**0.23**
Benzo(a)pyrene			**5.6**	0.0082 U	**0.018**	**0.065**	0.0081 U	0.0078 UJ	**0.0089**	0.0038 U	0.0035 U	**0.23**
Benzo(b)fluoranthene			**5.1**	0.0082 U	**0.022**	**0.065**	0.0081 U	0.0078 UJ	**0.0085**	0.0038 U	0.0035 U	**0.23**
Benzo(j,k)fluoranthene			**1.8**	0.0082 U	0.0068 U	**0.023**	0.0081 U	0.0078 UJ	0.0037 U	0.0038 U	0.0035 U	**0.069**
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			**5.0**	0.0082 U	**0.017**	**0.068**	0.0081 U	0.0078 UJ	**0.0059**	0.0038 U	0.0035 U	**0.22**
Dibenzo(a,h)anthracene			**0.56**	0.0082 U	0.0068 U	0.0079 U	0.0081 U	0.0078 UJ	0.0037 U	0.0038 U	0.0035 U	**0.035**
Indeno(1,2,3-c,d)pyrene			**3.0**	0.0082 U	**0.013**	**0.036**	0.0081 U	0.0078 UJ	**0.0082**	0.0038 U	0.0035 U	**0.15**
Total cPAH TEQ[4] (ND=0)	0.195	0.015	**7.2**	0 U	**0.024**	**0.085**	0 U	0 UJ	**0.0111**	0 U	0 U	**0.30**
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	**7.2**	0.0060 U	**0.024**	**0.085**	0.0060 U	0.0059 UJ	**0.0115**	0.0029 U	0.0026 U	**0.30**

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site
Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-55	GEI-55	GEI-56	GEI-56	GEI-56	GEI-56	GEI-56	GEI-56	GEI-57	GEI-57
Sample Identification			GEI-55_ 6.0-8.0	GEI-55_ 10.0-12.0	GEI-56_ 2.0-4.0	GEI-56_ 6.0-8.0	GEI-56_ 8.0-10.0	GEI-56_ 12.0-14.0	GEI-56_ 14.0-16.0	GEI-56_ 18.0-20.0	GEI-57_ 2.0-4.0	GEI-57_ 4.0-6.0
Sample Date			11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	6-8 ft	10-12 ft	2-4 ft	6-8 ft	8-10 ft	12-14 ft	14-16 ft	18-20 ft	2-4 ft	4-6 ft
Sample Type			Saturated	Saturated	Vadose	Saturated	Saturated	Saturated	Saturated	Saturated	Vadose	Vadose
Field Measured Parameters												
Sheen	NE	NE	NS	SS	NS	NS	NS	NS	NS	NS	**SS**	NS
Headspace Vapors (ppm)	NE	NE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	12 U	12 U	11 U	12 U	--	11 U	--	--	11 U	12 U
Cadmium	1.2	1.0	0.59 U	0.59 U	0.57 U	0.60 U	--	0.54 U	--	--	0.53 U	0.59 U
Chromium (Total)	1,000	50	**9.1**	**29**	**25**	**52**	**32**	**23**	--	--	**21**	**11**
Lead	250	24	5.9 U	5.9 U	**47**	**46**	6.0 U	**19**	--	--	**190**	**130**
Mercury	0.07	0.07	0.059 U	0.059 U	**0.093**	**0.073**	0.060 U	0.054 U	--	--	**0.057**	**0.14**
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	6.7 U	5.6 U	**10**	**74**	--	4.7 U	--	--	5.5 U	6.5 U
Diesel-Range	2,000	2,000	30 U	30 U	29 U	**55**	--	27 U	--	--	26 U	29 U
Heavy Oil-Range	2,000	2,000	59 U	59 U	**82**	**99**		54 U			53 U	**84**
Total Diesel and Heavy Oil-Range	2,000	2,000	59 U	59 U	**82**	**154**	--	54 U	--	--	53 U	**84**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.0012 U	0.0011 U	0.00098 U	**0.0019**	--	**0.0016**	--	--	0.0011 U	0.0011 U
Toluene	3.8	0.22	0.0012 U	0.0011 U	0.00098 U	0.0010 U	--	0.0010 U	--	--	0.0011 U	0.0011 U
Ethylbenzene	1.1	1.1	0.0012 U	0.0011 U	0.00098 U	0.0010 U	--	0.0010 U	--	--	0.0011 U	0.0011 U
Total Xylenes	2.8	0.16	0.0023 U	0.0023 U	0.0020 U	**0.0067**	--	0.0020 U	--	--	0.0022 U	0.0021 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.00059 U	0.00057 U	0.00049 U	0.00051 U	--	0.00051 U	--	--	0.00055 U	0.00053 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00059 U	0.00057 U	0.00049 U	0.00051 U	--	0.00051 U	--	--	0.00055 U	0.00053 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.0012 U	0.0011 U	0.00098 U	0.0010 U	--	0.0010 U	--	--	0.0011 U	0.0011 U
n-Hexane	0.27	0.01	0.0059 U	0.0057 U	0.0049 U	0.0051 U	--	0.0051 U	--	--	0.0055 U	0.0053 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	0.0040 U	0.0039 U	**0.011**	**0.033**	--	**0.0042**	0.0040 U	0.0037 U	0.0035 U	**0.011**
2-Methylnaphthalene	0.77	0.04	0.0040 U	0.0039 U	**0.019**	**0.025**	--	**0.0070**	0.0040 U	0.0037 U	0.0035 U	**0.017**
Acenaphthene	0.32	0.02	0.0040 U	0.0039 U	0.0038 U	0.010 U	--	0.0036 U	0.0040 U	0.0037 U	0.0035 U	**0.0053**
Acenaphthylene	NE	0.068	0.0040 U	0.0039 U	**0.055**	**0.074**	--	**0.0044**	0.0040 U	0.0037 U	**0.0070**	**0.051**
Anthracene	4.4	0.20	0.0040 U	0.0039 U	**0.049**	**0.039**	--	**0.0042**	0.0040 U	0.0037 U	**0.0083**	**0.049**
Benzo(g,h,i)perylene	NE	2.0	0.0040 U	0.0039 U	**0.14**	**0.094**	--	**0.012**	0.0040 U	0.0037 U	**0.025**	**0.16**
Fluoranthene	0.5	0.16	0.0040 U	0.0039 U	**0.27**	**0.22**	--	**0.027**	0.0040 U	0.0037 U	**0.040**	**0.32**
Fluorene	0.5	0.16	0.0040 U	0.0039 U	**0.011**	**0.022**	--	0.0036 U	0.0040 U	0.0037 U	0.0035 U	**0.014**
Naphthalene	0.25	0.013	0.0040 U	0.0039 U	**0.021**	**0.030**	--	0.0036 U	0.0040 U	0.0037 U	0.0035 U	**0.026**
Phenanthrene	NE	0.10	0.0040 U	0.0039 U	**0.14**	**0.14**	--	**0.0086**	0.0040 U	0.0037 U	**0.016**	**0.13**
Pyrene	20	1.0	0.0040 U	0.0039 U	**0.32**	**0.24**	--	**0.028**	0.0040 U	0.0037 U	**0.042**	**0.37**
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	0.0040 U	0.0039 U	**0.17**	**0.12**	--	**0.015**	0.0040 U	0.0037 U	**0.028**	**0.21**
Benzo(a)pyrene			0.0040 U	0.0039 U	**0.19**	**0.14**	--	**0.018**	0.0040 U	0.0037 U	**0.036**	**0.22**
Benzo(b)fluoranthene			0.0040 U	0.0039 U	**0.20**	**0.15**	--	**0.021**	0.0040 U	0.0037 U	**0.037**	**0.21**
Benzo(j,k)fluoranthene			0.0040 U	0.0039 U	**0.071**	**0.048**	--	**0.0069**	0.0040 U	0.0037 U	**0.011**	**0.083**
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			0.0040 U	0.0039 U	**0.19**	**0.13**	--	**0.019**	0.0040 U	0.0037 U	**0.028**	**0.18**
Dibenzo(a,h)anthracene			0.0040 U	0.0039 U	**0.025**	**0.027**	--	0.0036 U	0.0040 U	0.0037 U	**0.0045**	**0.027**
Indeno(1,2,3-c,d)pyrene			0.0040 U	0.0039 U	**0.15**	**0.10**	--	**0.014**	0.0040 U	0.0037 U	**0.025**	**0.16**
Total cPAH TEQ[4] (ND=0)	0.195	0.015	0 U	0 U	**0.25**	**0.19**	--	**0.024**	0 U	0 U	**0.047**	**0.29**
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	0.0030 U	0.0029 U	**0.25**	**0.19**	--	**0.024**	0.0030 U	0.0028 U	**0.047**	**0.29**

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site
Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-57	GEI-57	GEI-57	GEI-57	GEI-58	GEI-58	GEI-58	GEI-58	GEI-59	GEI-59
Sample Identification			GEI-57_ 8.0-10.0	GEI-57_ 10.0-12.0	GEI-57_ 12.0-14.0	GEI-57_ 16.0-18.0	GEI-58_ 2.0-4.0	GEI-58_ 4.0-6.0	GEI-58_ 8.0-10.0	GEI-58_ 10.0-12.0	GEI-59_ 2.0-4.0	GEI-59_ 4.0-6.0
Sample Date			11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	8-10 ft	10-12 ft	12-14 ft	16-18 ft	2-4 ft	4-6 ft	8-10 ft	10-12 ft	2-4 ft	4-6 ft
Sample Type			Saturated	Saturated	Saturated	Saturated	Vadose	Vadose	Saturated	Saturated	Vadose	Vadose
Field Measured Parameters												
Sheen	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	**HS**
Headspace Vapors (ppm)	NE	NE	<1	<1	<1	<1	<1	<1	<1	<1	<1	**179.3**
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	--	11 U	--	--	10 U	12 U	--	11 U	11 U	12 U
Cadmium	1.2	1.0	--	0.57 U	--	--	0.51 U	0.58 U	--	0.56 U	0.54 U	0.62 U
Chromium (Total)	1,000	50	--	**22**	--	--	**21**	**15**	--	**15**	**13**	**12**
Lead	250	24	--	**6.2**	--	--	**240**	**150**	--	5.6 U	**160**	**10**
Mercury	0.07	0.07	0.056 U	0.057 U	--	--	0.051 U	**0.15**	0.051 U	0.056 U	**0.075**	0.062 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	--	5.3 U	--	--	5.3 U	6.1 U	--	5.1 U	6.5 U	**65**
Diesel-Range	2,000	2,000	--	29 U	--	--	26 U	29 U	--	28 U	**84**	**44**
Heavy Oil-Range	2,000	2,000		57 U			**77**	58 U		56 U	**180**	62 U
Total Diesel and Heavy Oil-Range	2,000	2,000	--	57 U	--	--	**77**	58 U	--	56 U	**264**	**44**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	--	0.00099 U	--	--	0.0011 U	0.0010 U	--	0.00073 U	0.0011 U	0.0011 U
Toluene	3.8	0.22	--	0.00099 U	--	--	0.0011 U	0.0010 U	--	0.00073 U	0.0011 U	0.0011 U
Ethylbenzene	1.1	1.1	--	0.00099 U	--	--	0.0011 U	0.0010 U	--	0.00073 U	0.0011 U	0.0011 U
Total Xylenes	2.8	0.16	--	0.0020 U	--	--	0.0021 U	0.0021 U	--	0.0015 U	0.0023 U	0.0031 U
1,2-Dibromoethane (EDB)	0.002	0.001	--	0.00049 U	--	--	0.00053 U	0.00052 U	--	0.00037 U	0.00057 U	0.00057 U
1,2-Dichloroethane (EDC)	0.020	0.001	--	0.00049 U	--	--	0.00053 U	0.00052 U	--	0.00037 U	0.00057 U	0.00057 U
Methyl t-butyl ether (MTBE)	2.6	0.18	--	0.00099 U	--	--	0.0011 U	0.0010 U	--	0.00073 U	0.0011 U	0.0011 U
n-Hexane	0.27	0.01	--	0.0049 U	--	--	0.0053 U	0.0052 U	--	0.0037 U	0.0057 U	0.0057 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	--	0.0038 U	0.0036 U	0.0040 U	0.0086 U	0.0038 U	--	0.0037 U	**0.10**	0.0042 U
2-Methylnaphthalene	0.77	0.04	--	0.0038 U	0.0036 U	0.0040 U	0.0086 U	0.0038 U	--	0.0037 U	**0.18**	0.0065
Acenaphthene	0.32	0.02	--	0.0038 U	0.0036 U	0.0040 U	0.0086 U	0.0038 U	--	0.0037 U	**0.010**	0.0042 U
Acenaphthylene	NE	0.068	--	0.0038 U	0.0036 U	0.0040 U	**0.024**	**0.017**	--	0.0037 U	**0.55**	**0.0067**
Anthracene	4.4	0.20	--	**0.0043**	0.0036 U	0.0040 U	**0.018**	**0.069**	--	0.0037 U	**0.39**	0.0042 U
Benzo(g,h,i)perylene	NE	2.0	--	**0.0060**	0.0036 U	0.0040 U	**0.045**	**0.11**	--	0.0037 U	**0.89**	**0.018**
Fluoranthene	0.5	0.16	--	**0.017**	0.0036 U	0.0040 U	**0.056**	**0.32**	--	0.0037 U	**0.98**	**0.028**
Fluorene	0.5	0.16	--	0.0038 U	0.0036 U	0.0040 U	0.0086 U	**0.0061**	--	0.0037 U	**0.045**	0.0042 U
Naphthalene	0.25	0.013	--	0.0038 U	0.0036 U	0.0040 U	0.0086 U	**0.010**	--	0.0037 U	**0.22**	**0.0059**
Phenanthrene	NE	0.10	--	**0.011**	0.0036 U	0.0040 U	**0.028**	**0.12**	--	0.0037 U	**0.22**	**0.0068**
Pyrene	20	1.0	--	**0.018**	0.0036 U	0.0040 U	**0.079**	**0.37**	--	0.0037 U	**1.4**	**0.034**
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	--	**0.0089**	0.0036 U	0.0040 U	**0.051**	**0.18**	--	0.0037 U	**0.98**	**0.018**
Benzo(a)pyrene			--	**0.0093**	0.0036 U	0.0040 U	**0.060**	**0.17**	--	0.0037 U	**1.2**	**0.024**
Benzo(b)fluoranthene			--	**0.0092**	0.0036 U	0.0040 U	**0.059**	**0.17**	--	0.0037 U	**1.0**	**0.021**
Benzo(j,k)fluoranthene			--	0.0038 U	0.0036 U	0.0040 U	**0.021**	**0.047**	--	0.0037 U	**0.40**	**0.0090**
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			--	**0.0081**	0.0036 U	0.0040 U	**0.048**	**0.15**	--	0.0037 U	**0.89**	**0.019**
Dibenzo(a,h)anthracene			--	0.0038 U	0.0036 U	0.0040 U	**0.010**	**0.019**	--	0.0037 U	**0.19**	**0.0043**
Indeno(1,2,3-c,d)pyrene			--	**0.0065**	0.0036 U	0.0040 U	**0.044**	**0.12**	--	0.0037 U	**0.90**	**0.018**
Total cPAH TEQ[4] (ND=0)	0.195	0.015	--	**0.0118**	0 U	0 U	**0.079**	**0.23**	--	0 U	**1.56**	**0.031**
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	--	**0.0122**	0.0027 U	0.0030 U	**0.079**	**0.23**	--	0.0028 U	**1.56**	**0.031**

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site

Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-59	GEI-59	GEI-59	GEI-60	GEI-60	GEI-60	GEI-60	GEI-60	GEI-61	GEI-61
Sample Identification			GEI-DUP1 (GEI-59_4.0-6.0)	GEI-59_ 6.0-8.0	GEI-59_ 10.0-12.0	GEI-60_ 2.0-4.0	GEI-60_ 6.0-8.0	GEI-60_ 8.0-10.0	GEI-60_ 10.0-12.0	GEI-DUP2 (GEI-60_10.0-12.0)	GEI-61_ 2.0-4.0	GEI-61_ 4.0-6.0
Sample Date			11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	11/13/24	08/20/25	08/20/25
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	4-6 ft	6-8 ft	10-12 ft	2-4 ft	6-8 ft	8-10 ft	10-12 ft	10-12 ft	2-4 ft	4-6 ft
Sample Type			Vadose	Saturated	Saturated	Vadose	Saturated	Saturated	Saturated	Saturated	Vadose	Saturated
Field Measured Parameters												
Sheen	NE	NE	**HS**	NS	NS	NS	NS	NS	NS	NS	NS	**SS**
Headspace Vapors (ppm)	NE	NE	**179.3**	<1	<1	<1	<1	<1	<1	<1	<1	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	12 U	--	12 U	12 U	12 U	--	11 U	12 U	13 U	12 U
Cadmium	1.2	1.0	0.62 U	--	0.59 U	0.59 U	0.60 U	--	0.57 U	0.58 U	**1.9**	0.60 U
Chromium (Total)	1,000	50	**11**	--	**25**	**20**	**19**	--	**25**	**24**	**33 J**	**36 J**
Lead	250	24	**10**	--	5.9 U	5.9 U	6.0 U	--	5.7 U	5.8 U	**320**	6.0 UJ
Mercury	0.07	0.07	0.062 U	--	0.059 U	0.059 U	0.060 U	--	0.057 U	0.058 U	**0.31**	0.060 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	**65**	6.4 U	5.0 U	6.2 U	6.8 U	6.9 U	6.3 U	6.1 U	8.1 U	7.1 U
Diesel-Range	2,000	2,000	**70**	--	29 U	30 U	30 U	--	28 U	29 U	**2,100**	30 U
Heavy Oil-Range	2,000	2,000	63 U		59 U	59 U	60 U		57 U	58 U	**3,300**	60 U
Total Diesel and Heavy Oil-Range	2,000	2,000	**70**	--	59 U	59 U	60 U	--	57 U	58 U	**5,400**	60 U
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)				--								
Benzene	0.05	0.05	0.0012 U	--	0.00094 U	0.0011 U	0.0010 U	--	0.00079 U	0.0010 U	0.0014 U	**0.0087 J**
Toluene	3.8	0.22	0.0012 U	--	0.00094 U	0.0011 U	0.0010 U	--	0.00079 U	0.0010 U	0.0069 U	0.0045 U
Ethylbenzene	1.1	1.1	0.0012 U	--	0.00094 U	0.0011 U	0.0010 U	--	0.00079 U	0.0010 U	0.0014 U	0.00091 UJ
Total Xylenes	2.8	0.16	0.0023 U	--	0.0019 U	0.0021 U	0.0021 U	--	0.0016 U	0.0020 U	0.0027 U	**0.0018 J**
1,2-Dibromoethane (EDB)	0.002	0.001	0.00058 U	--	0.00047 U	0.00053 U	0.00052 U	--	0.00039 U	0.00051 U	0.00069 U	0.00045 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00058 U	--	0.00047 U	0.00053 U	0.00052 U	--	0.00039 U	0.00051 U	0.00069 U	0.00045 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.0012 U	--	0.00094 U	0.0011 U	0.0010 U	--	0.00079 U	0.0010 U	0.0014 U	0.00091 U
n-Hexane	0.27	0.01	0.0058 U	--	0.0047 U	0.0053 U	0.0052 U	--	0.0039 U	0.0051 U	0.0069 U	**0.020 J**
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	0.0042 U	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	**0.18**	**0.015 J**
2-Methylnaphthalene	0.77	0.04	0.0081	--	0.0039 U	0.0040 U	0.0053	--	0.0038 U	0.0039 U	**0.26**	**0.013 J**
Acenaphthene	0.32	0.02	0.0042 U	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	0.084 U	0.0080 UJ
Acenaphthylene	NE	0.068	**0.011**	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	**0.30**	0.0080 UJ
Anthracene	4.4	0.20	**0.0055**	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	**0.22**	0.0080 UJ
Benzo(g,h,i)perylene	NE	2.0	**0.028**	--	0.0039 U	0.0040 U	**0.0044**	--	0.0038 U	0.0039 U	**0.74**	0.0080 UJ
Fluoranthene	0.5	0.16	**0.042**	--	0.0039 U	0.0040 U	**0.012**	--	0.0038 U	0.0039 U	**0.44**	0.0080 UJ
Fluorene	0.5	0.16	0.0042 U	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	0.084 U	0.0080 UJ
Naphthalene	0.25	0.013	**0.012**	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	**0.21**	0.0080 UJ
Phenanthrene	NE	0.10	**0.011**	--	0.0039 U	0.0040 U	**0.0041**	--	0.0038 U	0.0039 U	**0.37**	0.0080 UJ
Pyrene	20	1.0	**0.054**	--	0.0039 U	0.0040 U	**0.012**	--	0.0038 U	0.0039 U	**0.52**	0.0080 UJ
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	**0.028**	--	0.0039 U	0.0040 U	**0.0076**	--	0.0038 U	0.0039 U	**0.27**	0.0080 UJ
Benzo(a)pyrene			**0.037**	--	0.0039 U	0.0040 U	**0.0043**	--	0.0038 U	0.0039 U	**0.47**	0.0080 UJ
Benzo(b)fluoranthene			**0.035**	--	0.0039 U	0.0040 U	**0.0080**	--	0.0038 U	0.0039 U	**0.49**	0.0080 UJ
Benzo(j,k)fluoranthene			**0.010**	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	**0.34**	0.0080 UJ
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			**0.029**	--	0.0039 U	0.0040 U	**0.0083**	--	0.0038 U	0.0039 U	**0.36**	0.0080 UJ
Dibenzo(a,h)anthracene			**0.0054**	--	0.0039 U	0.0040 U	0.0040 U	--	0.0038 U	0.0039 U	0.084 U	0.0080 UJ
Indeno(1,2,3-c,d)pyrene			**0.028**	--	0.0039 U	0.0040 U	**0.0047**	--	0.0038 U	0.0039 U	**0.54**	0.0080 UJ
Total cPAH TEQ[4] (ND=0)	0.195	0.015	**0.048**	--	0 U	0 U	**0.0064**	--	0 U	0 U	**0.64**	0 UJ
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	**0.048**	--	0.0029 U	0.0030 U	**0.0068**	--	0.0029 U	0.0029 U	**0.64**	0.0060 UJ

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site

Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-61	GEI-61	GEI-61	GEI-62	GEI-62	GEI-62	GEI-62	GEI-63	GEI-63	GEI-63
Sample Identification			**GEI-DUP4 (GEI-61_4.0-6.0)**	**GEI-61_ 10.0-12.0**	**GEI-61_ 14.0-16.0**	**GEI-62_ 2.0-4.0**	**GEI-62_ 4.0-6.0**	**GEI-62_ 6.0-8.0**	**GEI-62_ 8.0-10.0**	**GEI-63_ 2.0-4.0**	**GEI-63_ 6.0-8.0**	**GEI-63_ 12.0-14.0**
Sample Date			**08/20/25**	**08/20/25**	**08/20/25**	**08/20/25**	**08/20/25**	**08/20/25**	**08/20/25**	**08/20/25**	**08/20/25**	**08/20/25**
Sample Interval (feet bgs)	**Vadose Zone**	**Saturated Zone**	**4-6 ft**	**10-12 ft**	**14-16 ft**	**2-4 ft**	**4-6 ft**	**6-8 ft**	**8-10 ft**	**2-4 ft**	**6-8 ft**	**12-14 ft**
Sample Type			**Saturated**	**Saturated**	**Saturated**	**Vadose**	**Saturated**	**Saturated**	**Saturated**	**Vadose**	**Saturated**	**Saturated**
Field Measured Parameters												
Sheen	NE	NE	**SS**	NS	NS	**SS**	**SS**	**SS**	**SS**	**SS**	**SS**	NS
Headspace Vapors (ppm)	NE	NE	<1	<1	<1	**2.1**	<1	<1	<1	<1	**1.2**	<1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	14 U	12 U	12 U	--	--	--	--	12 U	12 U	12 U
Cadmium	1.2	1.0	0.69 U	0.58 U	0.62 U	0.63 U	--	0.60 U	--	0.58 U	0.62 U	0.61 U
Chromium (Total)	1,000	50	**34**	**26 J**	**34 J**	--	--	--	--	**17**	**33**	**17**
Lead	250	24	**80 J**	5.8 U	6.2 U	**55**	--	6.0 U	--	**8.8**	6.2 U	6.1 U
Mercury	0.07	0.07	**0.14**	0.058 U	0.062 U	**0.085**	--	0.060 U	--	0.058 U	0.062 U	0.061 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	9.0 U	5.9 U	6.6 U	7.3 U	6.7 U	--	5.2 U	**1,200**	7.3 U	6.3 U
Diesel-Range	2,000	2,000	**49**	29 U	31 U	**57**	31 U	--	29 U	**11,000**	**45**	31 U
Heavy Oil-Range	2,000	2,000	**160**	59 U	62 U	**230**	**80**		58 U	**1,700**	62 U	62 U
Total Diesel and Heavy Oil-Range	2,000	2,000	**209**	59 U	62 U	**287**	**80**	--	58 U	**12,700**	**45**	62 U
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	**0.066 J**	0.00088 U	0.0010 U	0.0012 U	**0.0018**	--	0.0011 U	0.0012 U	0.00095 U	0.00099 U
Toluene	3.8	0.22	**0.0099**	0.0044 U	0.0051 U	0.0059 U	**0.0061**	--	0.0054 U	0.0059 U	0.0048 U	0.0049 U
Ethylbenzene	1.1	1.1	**0.0034 J**	0.00088 U	0.0010 U	0.0012 U	**0.0014**	--	0.0011 U	**0.019**	0.00095 U	0.00099 U
Total Xylenes	2.8	0.16	**0.0249 J**	0.0018 U	0.0020 U	0.0024 U	**0.0084**	--	0.0021 U	**0.025**	0.0019 U	0.0020 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.00073 U	0.00044 U	0.00051 U	0.00059 U	0.00055 U	--	0.00054 U	0.00059 U	0.00048 U	0.00049 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00073 U	0.00044 U	0.00051 U	0.00059 U	0.00055 U	--	0.00054 U	0.00059 U	0.00048 U	0.00049 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.0015 U	0.00088 U	0.0010 U	0.0012 U	0.0011 U	--	0.0011 U	0.0012 U	0.00095 U	0.00099 U
n-Hexane	0.27	0.01	**0.056 J**	0.0044 U	0.0051 U	**0.010**	**0.0068**	--	0.0054 U	0.0059 U	0.0048 U	0.0049 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	**0.064 J**	**0.029**	**0.023**	0.010 U	0.010 U	--	0.0077 U	**40 J**	**0.059**	0.0082 U
2-Methylnaphthalene	0.77	0.04	**0.10 J**	**0.040**	**0.032**	0.010 U	0.010 U	--	0.0077 U	**48 J**	**0.074**	0.0082 U
Acenaphthene	0.32	0.02	0.046 UJ	0.0078 U	0.0083 U	0.010 U	**0.012**	--	0.0077 U	**4.1 J**	0.0082 U	0.0082 U
Acenaphthylene	NE	0.068	**0.11 J**	0.0078 U	0.0083 U	**0.027**	**0.072**	--	0.0077 U	**0.96 J**	0.0082 U	0.0082 U
Anthracene	4.4	0.20	**0.070 J**	0.0078 U	0.0083 U	**0.036**	**0.12**	--	0.0077 U	**3.9 J**	0.0082 U	0.0082 U
Benzo(g,h,i)perylene	NE	2.0	**0.23 J**	0.0078 U	0.0083 U	**0.067**	**0.13**	--	0.0077 U	**0.071 J**	0.0082 U	0.0082 U
Fluoranthene	0.5	0.16	**0.13 J**	0.0078 U	0.0083 U	**0.20**	**0.50**	--	0.0077 U	0.77 UJ	0.0082 U	0.0082 U
Fluorene	0.5	0.16	0.046 UJ	0.0078 U	0.0083 U	**0.011**	**0.042**	--	0.0077 U	**6.7 J**	0.0082 U	0.0082 U
Naphthalene	0.25	0.013	**0.15 J**	0.0078 U	0.0083 U	**0.014**	0.010 U	--	0.0077 U	**1.0 J**	0.0082 U	0.0082 U
Phenanthrene	NE	0.10	**0.14 J**	0.0078 U	0.0083 U	**0.11**	**0.42**	--	0.0077 U	**24 J**	**0.023**	0.0082 U
Pyrene	20	1.0	**0.15 J**	0.0078 U	0.0083 U	**0.22**	**0.58**	--	0.0077 U	0.77 UJ	0.0082 U	0.0082 U
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	**0.071 J**	0.0078 U	0.0083 U	**0.097**	**0.22**	--	0.0077 U	**0.099 J**	0.0082 U	0.0082 U
Benzo(a)pyrene			**0.15 J**	0.0078 U	0.0083 U	**0.10**	**0.21**	--	0.0077 U	**0.10 J**	0.0082 U	0.0082 U
Benzo(b)fluoranthene			**0.20 J**	0.0078 U	0.0083 U	**0.10**	**0.21**	--	0.0077 U	**0.12 J**	0.0082 U	0.0082 U
Benzo(j,k)fluoranthene			**0.051 J**	0.0078 U	0.0083 U	**0.029**	**0.058**	--	0.0077 U	**0.036 J**	0.0082 U	0.0082 U
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			**0.096 J**	0.0078 U	0.0083 U	**0.092**	**0.20**	--	0.0077 U	**0.12 J**	0.0082 U	0.0082 U
Dibenzo(a,h)anthracene			0.046 UJ	0.0078 U	0.0083 U	**0.014**	**0.026**	--	0.0077 U	**0.013 J**	0.0082 U	0.0082 U
Indeno(1,2,3-c,d)pyrene			**0.18 J**	0.0078 U	0.0083 U	**0.057**	**0.11**	--	0.0077 U	**0.060 J**	0.0082 U	0.0082 U
Total cPAH TEQ[4] (ND=0)	0.195	0.015	**0.20 J**	0 U	0 U	**0.131**	**0.27**	--	0 U	**0.13 J**	0 U	0 U
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	**0.20 J**	0.0059 U	0.0063 U	**0.131**	**0.27**	--	0.0058 U	**0.13 J**	0.0062 U	0.0062 U

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site
Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		GEI-63	GEI-64	GEI-64	GEI-64	GEI-65	GEI-65	GEI-66	GEI-66	VSS-6	VSS-7
Sample Identification			GEI-DUP6 (GEI-63_12.0-14.0)	GEI-64_ 2.0-4.0	GEI-64_ 4.0-6.0	GEI-64_ 8.0-10.0	GEI-65_ 2.0-4.0	GEI-65_ 4.0-6.0	GEI-66_ 2.0-4.0	GEI-66_ 4.0-6.0	VSS-6-4.5	VSS-7-4.5
Sample Date			08/20/25	08/20/25	08/20/25	08/20/25	08/21/25	08/21/25	08/21/25	08/21/25	09/25/20	09/25/20
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	12-14 ft	2-4 ft	4-6 ft	8-10 ft	2-4 ft	4-6 ft	2-4 ft	4-6 ft	4.25-4.5 ft	4.25-4.5 ft
Sample Type			Saturated	Vadose	Saturated	Saturated	Vadose	Saturated	Vadose	Saturated	Vadose	Vadose
Field Measured Parameters												
Sheen	NE	NE	NS	NS	**MS**	NS	NS	NS	**SS**	**SS**	NS	NS
Headspace Vapors (ppm)	NE	NE	<1	<1	**31.4**	<1	<1	<1	**2.8**	<1	< 1	< 1
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	12 U	--	13 U	--	--	12 U	--	--	11 U	12 U
Cadmium	1.2	1.0	0.61 U	0.60 U	0.63 U	--	--	0.59 U	--	--	0.56 U	0.58 U
Chromium (Total)	1,000	50	**16**	--	**32**	--	--	**23**	--	--	**22**	**33**
Lead	250	24	6.1 U	**210**	6.3 U	--	--	5.9 U	--	--	5.6 U	5.8 U
Mercury	0.07	0.07	0.061 U	**0.17**	0.063 U	--	--	0.059 U	--	--	0.056 U	0.058 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	6.0 U	--	**80**	6.1 U	**66 J**	6.9 U	7.1 U	6.5 U	4.8 U	5.2 U
Diesel-Range	2,000	2,000	31 U	--	**32 J**	29 U	**1,200**	30 U	31 U	31 U	28 U	29 U
Heavy Oil-Range	2,000	2,000	61 U		**260**	59 U	**150 J**	59 U	**260**	**95**	56 U	58 U
Total Diesel and Heavy Oil-Range	2,000	2,000	61 U	--	**292 J**	59 U	**1,350 J**	59 U	**260**	**95**	56 U	58 U
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.0010 U	--	**0.055**	0.0010 U	0.0011 U	0.00094 U	0.0011 U	0.0015 U	0.00089 U	0.00087 U
Toluene	3.8	0.22	0.0051 U	--	**0.014**	0.0051 U	0.0057 U	0.0047 U	0.0055 U	0.0077 U	0.0045 U	0.0043 U
Ethylbenzene	1.1	1.1	0.0010 U	--	**0.0055**	0.0010 U	0.0011 U	0.00094 U	0.0011 U	0.0015 U	0.00089 U	0.00087 U
Total Xylenes	2.8	0.16	0.0020 U	--	**0.043**	0.0020 U	0.0023 U	0.0019 U	0.0022 U	0.0031 U	0.0018 U	0.0017 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.00051 U	--	0.00056 U	0.00051 U	0.00057 U	0.00047 U	0.00055 U	0.00077 U	0.00045 U	0.00043 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00051 U	--	0.00056 U	0.00051 U	0.00057 U	0.00047 U	0.00055 U	0.00077 U	0.00045 U	0.00043 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.0010 U	--	0.0011 U	0.0010 U	0.0011 U	0.00094 U	0.0011 U	0.0015 U	0.00089 U	0.00087 U
n-Hexane	0.27	0.01	0.0051 U	--	**0.40**	0.0051 U	**0.051**	0.0047 U	0.0055 U	0.0077 U	0.0045 U	0.0043 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	**0.0095**	--	**0.033**	0.0078 U	**0.0085**	**0.015**	**0.049**	0.010 U	0.0038 U	0.0039 U
2-Methylnaphthalene	0.77	0.04	**0.014**	--	**0.034**	0.0078 U	0.0082 U	**0.021**	**0.047**	0.010 U	0.0038 U	0.0039 U
Acenaphthene	0.32	0.02	0.0082 U	--	0.0084 U	0.0078 U	0.012 U	0.0079 U	**0.065**	0.010 U	0.0038 U	0.0039 U
Acenaphthylene	NE	0.068	0.0082 U	--	0.0084 U	0.0078 U	**0.032**	0.0079 U	**0.34**	0.010 U	0.0038 U	0.0039 U
Anthracene	4.4	0.20	0.0082 U	--	0.0084 U	0.0078 U	0.0082 U	0.0079 U	**0.46**	0.010 U	0.0038 U	0.0039 U
Benzo(g,h,i)perylene	NE	2.0	0.0082 U	--	0.0084 U	0.0078 U	**0.022**	0.0079 U	**0.47**	0.010 U	0.0038 U	0.0039 U
Fluoranthene	0.5	0.16	0.0082 U	--	0.0084 U	0.0078 U	**0.045**	0.0079 U	**1.8**	0.010 U	0.0038 U	0.0039 U
Fluorene	0.5	0.16	0.0082 U	--	0.0084 U	0.0078 U	0.0082 U	0.0079 U	**0.17**	0.010 U	0.0038 U	0.0039 U
Naphthalene	0.25	0.013	0.0082 U	--	**0.029**	0.0078 U	0.0082 U	0.0079 U	**0.088**	0.010 U	0.0038 U	0.0039 U
Phenanthrene	NE	0.10	0.0082 U	--	0.0084 U	0.0078 U	**0.053**	0.0079 U	**1.6**	0.010 U	0.0038 U	0.0039 U
Pyrene	20	1.0	0.0082 U	--	0.0084 U	0.0078 U	**0.049**	0.0079 U	**2.2**	0.010 U	0.0038 U	0.0039 U
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	0.0082 U	--	0.0084 U	0.0078 U	**0.021**	0.0079 U	**0.78**	0.010 U	0.0038 U	0.0039 U
Benzo(a)pyrene			0.0082 U	--	0.0084 U	0.0078 U	**0.029**	0.0079 U	**0.77**	0.010 U	0.0038 U	0.0039 U
Benzo(b)fluoranthene			0.0082 U	--	0.0084 U	0.0078 U	**0.032**	0.0079 U	**0.73**	0.010 U	0.0038 U	0.0039 U
Benzo(j,k)fluoranthene			0.0082 U	--	0.0084 U	0.0078 U	**0.0091**	0.0079 U	**0.31**	0.010 U	0.0038 U	0.0039 U
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			0.0082 U	--	0.0084 U	0.0078 U	**0.028**	0.0079 U	**0.79**	0.010 U	0.0038 U	0.0039 U
Dibenzo(a,h)anthracene			0.0082 U	--	0.0084 U	0.0078 U	0.0082 U	0.0079 U	**0.11**	0.010 U	0.0038 U	0.0039 U
Indeno(1,2,3-c,d)pyrene			0.0082 U	--	0.0084 U	0.0078 U	**0.020**	0.0079 U	**0.43**	0.010 U	0.0038 U	0.0039 U
Total cPAH TEQ[4] (ND=0)	0.195	0.015	0 U	--	0 U	0 U	**0.037**	0 U	**1.01**	0 U	0 U	0 U
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	0.0062 U	--	0.0063 U	0.0059 U	**0.038**	0.0060 U	**1.01**	0.008 U	0.0029 U	0.0029 U

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site

Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		VSS-8	VSS-9	VSS-10	VSS-11	VSS-12	VSS-13	VSS-14	VSS-15	VSS-16	VSS-17
Sample Identification			VSS-8-5.0	VSS-9-5.0	VSS-10-4.5	VSS-11-4.5	VSS-12-2.5	VSS-13-2.5	VSS-14-2.5	VSS-15-8.5	VSS-16-8.5	VSS-17-4.25
Sample Date			09/25/20	09/25/20	09/25/20	09/25/20	09/30/20	09/30/20	09/30/20	10/12/20	10/12/20	10/13/20
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	4.75-5 ft	4.75-5 ft	4.25-4.5 ft	4.25-4.5 ft	2.25-2.5 ft	2.25-2.5 ft	2.25-2.5 ft	8.5	8.5	4.25
Sample Type			Vadose	Vadose	Vadose	Vadose	Vadose	Vadose	Vadose	Saturated	Saturated	Saturated
Field Measured Parameters												
Sheen	NE	NE	NS	**MS**	**HS**	**HS**	**MS**	**MS**	**HS**	**MS**	**HS**	**HS**
Headspace Vapors (ppm)	NE	NE	< 1	**18.9**	**198**	**145**	**18.3**	**52.1**	**189**	**38.2**	**82.1**	**89.3**
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	11 U	14 U	15 U	12 U	16 U	19 U	11 U	11 U	12 U	12 U
Cadmium	1.2	1.0	0.56 U	0.68 U	0.77 U	0.59 U	0.81 U	**7.2**	0.54 U	0.57 U	0.59 U	0.58 U
Chromium (Total)	1,000	50	**33**	**29**	**25**	**20**	**26**	**27**	**17 J**	**27**	**22**	**13**
Lead	250	24	5.6 U	**26**	**9.3**	**44**	**12**	**730**	**200 J**	5.7 U	5.9 U	5.8 U
Mercury	0.07	0.07	0.056 U	0.054 U	0.062 U	0.048 U	0.065 U	**0.18**	**0.18 J**	0.057 U	0.059 U	0.058 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	5.7 U	**170 J**	270 U	18 U	**40 J**	84 U	**9.1 J**	5.4 U	6.7 U	6.7 U
Diesel-Range	2,000	2,000	28 U	**360**	**5,100 J**	**61 J**	**4,900 J**	**650 J**	**300**	29 U	30 U	29 U
Heavy Oil-Range	2,000	2,000	56 U	**970**	**17,000**	**280**	**11,000**	**4,600**	**290**	57 U	59 U	**61**
Total Diesel and Heavy Oil-Range	2,000	2,000	56 U	**1,330**	**22,100 J**	**341 J**	**15,900 J**	**5,250 J**	**590**	57 U	59 U	**61**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.00090 U	**0.18**	**0.017**	**0.0013**	**0.0025**	0.0028 U	**0.042**	0.00085 U	0.00098 U	**0.0042**
Toluene	3.8	0.22	0.0045 U	**0.25**	0.0094 U	0.0048 U	0.0091 U	0.014 U	**0.015**	0.0043 U	0.0049 U	**0.0086**
Ethylbenzene	1.1	1.1	0.00090 U	**0.13**	**0.0082**	0.00097 U	0.0018 U	0.0028 U	**0.011**	0.00085 U	0.00098 U	0.0010 U
Total Xylenes	2.8	0.16	0.0018 U	**0.61**	**0.048**	0.0019 U	**0.0023**	**0.0030 J**	**0.076**	0.0017 U	0.002 U	**0.0086**
1,2-Dibromoethane (EDB)	0.002	0.001	0.00045 U	0.00065 U	0.00094 U	0.00048 U	0.00091 U	0.0014 U	0.00083 U	0.00043 U	0.00049 U	0.00051 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.00045 U	0.00065 U	0.00094 U	0.00048 U	0.00091 U	0.0014 U	0.00083 U	0.00043 U	0.00049 U	0.00051 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.00090 U	0.0013 U	0.0019 U	0.00097 U	0.0018 U	0.0028 U	0.0017 U	0.00085 U	0.00098 U	0.0010 U
n-Hexane	0.27	0.01	0.0045 U	0.065	**0.080**	0.0048 U	0.0091 U	0.014 U	**0.026**	0.0043 U	0.0049 U	0.0051 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	0.0038 U	**0.20**	**0.33**	**0.014**	**0.44**	**0.19**	**0.073**	0.0038 U	0.0040 U	**0.013**
2-Methylnaphthalene	0.77	0.04	0.0038 U	**0.33**	**0.035**	**0.021**	**0.77**	**0.36**	**0.14**	0.0038 U	0.0040 U	**0.038**
Acenaphthene	0.32	0.02	0.0038 U	**0.0095**	**0.079**	**0.0040**	**0.27**	0.13 U	**0.013**	0.0038 U	0.0040 U	0.0038 U
Acenaphthylene	NE	0.068	0.0038 U	**0.051**	**0.027**	**0.0089**	**0.11**	**0.17**	**0.094**	0.0038 U	0.0040 U	0.0038 U
Anthracene	4.4	0.20	0.0038 U	**0.071**	**0.045**	**0.0053**	**0.37**	0.13 U	**0.067**	0.0038 U	0.0040 U	0.0038 U
Benzo(g,h,i)perylene	NE	2.0	0.0038 U	**0.30**	0.045 U	**0.010**	0.11 U	**0.26**	**0.19**	0.0038 U	0.0040 U	0.0038 U
Fluoranthene	0.5	0.16	0.0038 U	**0.74**	**0.048**	**0.027**	**0.33**	**0.46**	**0.14**	0.0038 U	0.0040 U	0.0038 U
Fluorene	0.5	0.16	0.0038 U	**0.026**	**0.13**	**0.0047**	**1.3**	0.13 U	**0.018**	0.0038 U	0.0040 U	0.0038 U
Naphthalene	0.25	0.013	0.0038 U	**0.12**	**0.038**	**0.041**	**0.32**	**1.3**	**0.12**	0.0038 U	0.0040 U	**0.025**
Phenanthrene	NE	0.10	0.0038 U	**0.18**	**0.10**	**0.031**	**2.3**	**0.61**	**0.066**	0.0038 U	0.0040 U	0.0038 U
Pyrene	20	1.0	0.0038 U	**0.81**	**0.23**	**0.034**	**0.72**	**0.47**	**0.22**	0.0038 U	0.0040 U	0.0038 U
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	0.0038 U	**0.40**	0.56 U	**0.0089**	**0.25**	**0.17**	**0.12**	0.0038 U	0.0040 U	0.0038 U
Benzo(a)pyrene			0.0038 U	**0.48**	0.18 U	**0.011**	0.11 U	**0.23**	**0.23**	0.0038 U	0.0040 U	0.0038 U
Benzo(b)fluoranthene			0.0038 U	**0.45**	0.029 U	**0.011**	0.26 U	**0.19**	**0.19**	0.0038 U	0.0040 U	0.0038 U
Benzo(j,k)fluoranthene			0.0038 U	**0.13**	0.033 U	0.0040 U	0.11 U	0.13 U	**0.074**	0.0038 U	0.0040 U	0.0038 U
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			0.0038 U	**0.38**	0.026 U	**0.014**	**0.74**	**0.20**	**0.12**	0.0038 U	0.0040 U	0.0038 U
Dibenzo(a,h)anthracene			0.0038 U	**0.041**	0.027 U	0.0040 U	0.11 U	0.13 U	**0.025**	0.0038 U	0.0040 U	0.0038 U
Indeno(1,2,3-c,d)pyrene			0.0038 U	**0.28**	0.026 U	**0.0077**	0.11 U	**0.16**	**0.16**	0.0038 U	0.0040 U	0.0038 U
Total cPAH TEQ[4] (ND=0)	0.195	0.015	0 U	**0.61**	0 U	**0.014**	**0.06**	**0.28**	**0.29**	0 U	0 U	0 U
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	0.0029 U	**0.61**	0.124 U	**0.014**	**0.13**	**0.30**	**0.29**	0.0029 U	0.0030 U	0.0029 U

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site
Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		VSS-18	VSS-18	VSS-19	VSS-20	VSS-20	VSS-21	VSS-22	VSS-33	VSS-34	VSS-35
Sample Identification			VSS-18-4.25	VSS-DUP-3 (VSS-18-4.25)	VSS-19-4.25	VSS-20-4.25	VSS-DUP-1 (VSS-20-4.25)	VSS-21-4.25	VSS-22-4.25	VSS-33-2.5	VSS-34-2.5	VSS-35-2.5
Sample Date			10/21/20	10/21/20	10/13/20	10/13/20	10/13/20	10/13/20	09/16/20	09/30/20	09/30/20	09/30/20
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	4.25	4.25	4.25	4.25	4.25	4.25	4.25	2.25-2.5 ft	2.25-2.5 ft	2.25-2.5 ft
Sample Type			Vadose	Vadose	Vadose	Vadose	Vadose	Vadose	Vadose	Vadose	Vadose	Vadose
Field Measured Parameters												
Sheen	NE	NE	**HS**	**HS**	**HS**	**HS**	**HS**	**HS**	**MS**	**MS**	**MS**	**MS**
Headspace Vapors (ppm)	NE	NE	**340**	**340**	**455**	**367**	**367**	**531**	**84.3**	**34.9**	**21**	**51**
Metals by EPA 6000/7000 Series (mg/kg)												
Arsenic	20	20	12 U	12 U	12 U	13 U	18 U	12 U	15 U	17 U	12 U	**14**
Cadmium	1.2	1.0	0.59 U	0.60 U	0.58 U	0.63 U	0.89 U	0.61 U	0.77 U	0.83 U	0.62 U	**0.99**
Chromium (Total)	1,000	50	**10**	**13**	**27**	**20 J**	**38 J**	**18**	**21**	**21**	**35**	**30**
Lead	250	24	5.9 U	6.0 U	5.8 U	**19 J**	**37 J**	**11**	15 U	**73**	**23**	**620**
Mercury	0.07	0.07	0.059 U	0.060 U	0.058 U	**0.072**	**0.12**	0.061 U	**0.10**	0.066 U	**0.071**	**0.60**
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)												
Gasoline-Range	30[3]	30[3]	**790 J**	**2,300 J**	230 U	**970 J**	**980 J**	**160 J**	29 U	28 U	**17**	28 U
Diesel-Range	2,000	2,000	**11,000**	**14,000**	**640**	**6,500**	**7,800**	**1,500**	**100 J**	**2,600 J**	31 U	**3,800 J**
Heavy Oil-Range	2,000	2,000	**3,300 J**	**4,400 J**	**190 J**	**9,400**	**12,000**	**2,500**	**440**	**15,000**	**150**	**8,400**
Total Diesel and Heavy Oil-Range	2,000	2,000	**14,300 J**	**18,400 J**	**830 J**	**15,900**	**19,800**	**4,000**	**540 J**	**17,600 J**	**150**	**12,200 J**
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)												
Benzene	0.05	0.05	0.078 U	0.081 U	0.00091 U	0.069 U	0.14 U	0.071 U	0.0042 U	**0.0059**	**0.020**	**0.010**
Toluene	3.8	0.22	0.39 U	0.41 U	0.0045 U	0.34 U	0.69 U	0.36 U	0.021 U	0.015 U	**0.011**	0.017 U
Ethylbenzene	1.1	1.1	0.078 U	0.081 U	0.00091 U	0.069 U	0.14 U	0.071 U	0.0042 U	0.0030 U	**0.014**	0.0034 U
Total Xylenes	2.8	0.16	**0.30**	**0.26**	0.014 U	0.14 U	0.28 U	0.14 U	0.0085 U	0.006 U	**0.066**	**0.0038**
1,2-Dibromoethane (EDB)	0.002	0.001	0.039 U	0.041 U	0.00045 U	0.034 U	0.069 U	0.036 U	0.0021 U	0.0015 U	0.00080 U	0.0017 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.039 U	0.041 U	0.00045 U	0.034 U	0.069 U	0.036 U	0.0021 U	0.0015 U	0.00080 U	0.0025
Methyl t-butyl ether (MTBE)	2.6	0.18	0.078 U	0.081 U	0.00091 U	0.069 U	0.14 U	0.071 U	0.0042 U	0.0030 U	0.0016 U	0.0034 U
n-Hexane	0.27	0.01	0.39 U	0.41 U	0.0045 U	0.34 U	0.69 U	0.36 U	0.021 U	0.015 U	0.014	0.017 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)												
1-Methylnaphthalene	35	35	**1.0 J**	**3.7 J**	0.012 U	**7.1 J**	**3.4 J**	**1.9**	0.010 U	**0.20**	**0.21**	**0.26**
2-Methylnaphthalene	0.77	0.04	**0.71**	**0.80**	0.023 U	**3.4 J**	**2.0 J**	**0.62**	0.010 U	**0.33**	**0.19**	**0.43**
Acenaphthene	0.32	0.02	**1.2**	**1.7**	0.0055 U	**0.31 J**	**0.10 J**	**0.19**	0.010 U	**0.076**	**0.026**	**0.18**
Acenaphthylene	NE	0.068	**0.14**	**0.17**	0.013 U	**0.21**	**0.098**	**0.13**	0.010 U	**0.25**	**0.017**	**0.37**
Anthracene	4.4	0.20	**0.36**	**0.46**	**0.0091**	**0.21 J**	**0.073 J**	**0.28**	0.010 U	**0.14**	**0.038**	**0.17**
Benzo(g,h,i)perylene	NE	2.0	0.079 U	0.080 U	**0.0041**	**0.092**	0.059 U	**0.12**	**0.019**	**0.21**	**0.011**	0.17 U
Fluoranthene	0.5	0.16	**0.13**	**0.14**	**0.025**	**0.28 J**	**0.13 J**	**0.35**	**0.012**	**0.95**	**0.071**	**0.59**
Fluorene	0.5	0.16	**2.3**	**3.3**	**0.032**	**1.6 J**	**0.66 J**	**0.74**	0.010 U	**0.15**	**0.058**	0.17 U
Naphthalene	0.25	0.013	**0.98**	**1.2**	0.0084 U	**0.54 J**	**0.24 J**	**0.17**	0.010 U	**2.6**	**0.27**	**1.5**
Phenanthrene	NE	0.10	**1.1 J**	**1.9 J**	**0.016**	**3.0 J**	**1.2 J**	**1.8**	0.010 U	**1.7**	**0.10**	**0.62**
Pyrene	20	1.0	**0.18**	**0.20**	**0.028**	**0.60 J**	**0.18 J**	**0.55**	**0.014**	**0.89**	**0.071**	**0.63**
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)												
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	0.079 U	0.080 U	**0.0080**	**0.13**	0.059 U	**0.19**	0.0070 U	**0.16**	**0.031**	**0.24**
Benzo(a)pyrene			0.079 U	0.080 U	**0.0069**	**0.099**	0.059 U	**0.20**	0.010 U	**0.19**	**0.025**	**0.19**
Benzo(b)fluoranthene			0.079 U	0.080 U	**0.0073**	**0.13**	**0.061**	**0.21**	0.010 U	**0.27**	**0.031**	**0.18**
Benzo(j,k)fluoranthene			0.079 U	0.080 U	0.0039 U	0.084 U	0.059 U	**0.043**	0.010 U	**0.063**	**0.012**	0.17 U
Benzo(k)fluoranthene			--	--	--	--	--	--	--	--	--	--
Chrysene			**0.19**	**0.21**	**0.012**	**0.51 J**	**0.20 J**	**0.34**	0.010 U	**0.25**	**0.040**	**0.31**
Dibenzo(a,h)anthracene			0.079 U	0.080 U	0.0039 U	0.084 U	0.059 U	0.041 U	0.010 U	0.022 U	0.0041 U	0.17 U
Indeno(1,2,3-c,d)pyrene			0.079 U	0.080 U	0.0039 U	0.084 U	0.059 U	**0.11**	0.010 U	**0.16**	**0.0079**	0.17 U
Total cPAH TEQ[4] (ND=0)	0.195	0.015	**0.002**	**0.002**	**0.009**	**0.13 J**	**0.01 J**	**0.26**	0 U	**0.26**	**0.034**	**0.24**
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	**0.06**	**0.06**	**0.009**	**0.14 J**	**0.05 J**	**0.26**	0.0074 U	**0.26**	**0.034**	**0.26**

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Table 2

Summary of Riparian Zone, 2nd Street Right-of-Way and Interim Action Soil Field Screening and Chemical Analytical Results

Quiet Cove Site
Anacortes, Washington

Sample Location[1]	Preliminary Screening Level[2]		VSS-36	VSS-37	VSS-38	VSS-39	VSS-40
Sample Identification			VSS-36-2.5	VSS-37-2.5	VSS-8-5.0	VSS-39-8.0	VSS-40-8.0
Sample Date			09/30/20	09/30/20	10/12/20	10/12/20	10/12/20
Sample Interval (feet bgs)	Vadose Zone	Saturated Zone	2.25-2.5 ft	2.25-2.5 ft	4.75-5 ft	7.75-8 ft	7.75-8 ft
Sample Type			Vadose	Vadose	Vadose	Saturated	Saturated
Field Measured Parameters							
Sheen	NE	NE	**MS**	**HS**	NS	NS	**SS**
Headspace Vapors (ppm)	NE	NE	**32.4**	**189**	< 1	< 1	**8.2**
Metals by EPA 6000/7000 Series (mg/kg)							
Arsenic	20	20	13 U	17 U	11 U	11 U	12 U
Cadmium	1.2	1.0	0.66 U	0.87 U	0.56 U	0.55 U	0.58 U
Chromium (Total)	1,000	50	**35**	**44**	**33**	**36**	**74**
Lead	250	24	**230**	8.7 U	5.6 U	5.5 U	5.8 U
Mercury	0.07	0.07	**0.30**	0.052 U	0.056 U	0.055 U	0.058 U
Petroleum Hydrocarbons by NWTPH-G/Dx (mg/kg)							
Gasoline-Range	30[3]	30[3]	**25**	16 U	5.7 U	5.1 U	5.5 U
Diesel-Range	2,000	2,000	170 U	43 U	28 U	28 U	29 U
Heavy Oil-Range	2,000	2,000	**740**	87 U	56 U	55 U	58 U
Total Diesel and Heavy Oil-Range	2,000	2,000	**740**	87 U	56 U	55 U	58 U
Volatile Organic Compounds (VOCs) by EPA 8260 (mg/kg)							
Benzene	0.05	0.05	0.76 U	**0.0038**	0.00090 U	0.0011 U	0.00098 U
Toluene	3.8	0.22	3.8 U	0.011 U	0.0045 U	0.0056 U	0.0049 U
Ethylbenzene	1.1	1.1	0.76 U	0.0021 U	0.00090 U	0.0011 U	0.00098 U
Total Xylenes	2.8	0.16	1.5 U	0.0042 U	0.0018 U	0.0022 U	0.0020 U
1,2-Dibromoethane (EDB)	0.002	0.001	0.38 U	0.0011 U	0.00045 U	0.00056 U	0.00049 U
1,2-Dichloroethane (EDC)	0.020	0.001	0.38 U	0.0011 U	0.00045 U	0.00056 U	0.00049 U
Methyl t-butyl ether (MTBE)	2.6	0.18	0.76 U	0.0021 U	0.00090 U	0.0011 U	0.00098 U
n-Hexane	0.27	0.01	3.8 U	0.011 U	0.0045 U	0.0056 U	0.0049 U
Non-Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) by EPA 8270-SIM (mg/kg)							
1-Methylnaphthalene	35	35	**4.3**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
2-Methylnaphthalene	0.77	0.04	**1.9**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Acenaphthene	0.32	0.02	**5.9**	0.0058 U	0.0038 U	0.0037 U	**0.0071**
Acenaphthylene	NE	0.068	**0.23**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Anthracene	4.4	0.20	**0.19**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Benzo(g,h,i)perylene	NE	2.0	**0.29**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Fluoranthene	0.5	0.16	**0.87**	0.0058 U	0.0038 U	0.0037 U	**0.0061**
Fluorene	0.5	0.16	**3.7**	0.0058 U	0.0038 U	0.0037 U	**0.010**
Naphthalene	0.25	0.013	**3.2**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Phenanthrene	NE	0.10	**2.2**	0.0058 U	0.0038 U	0.0037 U	**0.016**
Pyrene	20	1.0	**0.78**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270-SIM (mg/kg)							
Benzo(a)anthracene	See Total cPAH TEQ	See Total cPAH TEQ	**0.22**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Benzo(a)pyrene			**0.35**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Benzo(b)fluoranthene			**0.38**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Benzo(j,k)fluoranthene			**0.17**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Benzo(k)fluoranthene			--	--	--	--	--
Chrysene			**0.32**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Dibenzo(a,h)anthracene			**0.048**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Indeno(1,2,3-c,d)pyrene			**0.27**	0.0058 U	0.0038 U	0.0037 U	0.0038 U
Total cPAH TEQ[4] (ND=0)	0.195	0.015	**0.46**	0 U	0 U	0 U	0 U
Total cPAH TEQ[4] (ND=0.5RL)	0.195	0.015	**0.46**	0.0044 U	0.0029 U	0.0028 U	0.0029 U

Notes:

[1] Sample locations in Figure 2. Results summarized in Figures 3 through 7.

[2] Preliminary screening levels are from the RI/FS Work Plan (GeoEngineers 2017).

[3] Preliminary screening level for gasoline-range petroleum hydrocarbons is 30 mg/kg when benzene is present and 100 mg/kg when not present.

[4] Total cPAH Toxic Equivalency Quotients (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) values referenced from MTCA Table 708.2 (WAC 173-340-900).

[5] Preliminary screening level for vadose and saturated soil based on Ecology's Revised July 2021 cPAH guidance for protection of surface water.

[6] Samples analyzed beyond hold time for PAHs as requested by Ecology and estimated (J) qualifier added.

ppm = parts per million

mg/kg = milligrams per kilogram

-- = not analyzed

NE = Not Established

ND = Not Detected

NS- No Sheen; MS- Medium Sheen; HS- High Sheen

U = The analyte was not detected at a concentration greater than the value identified.

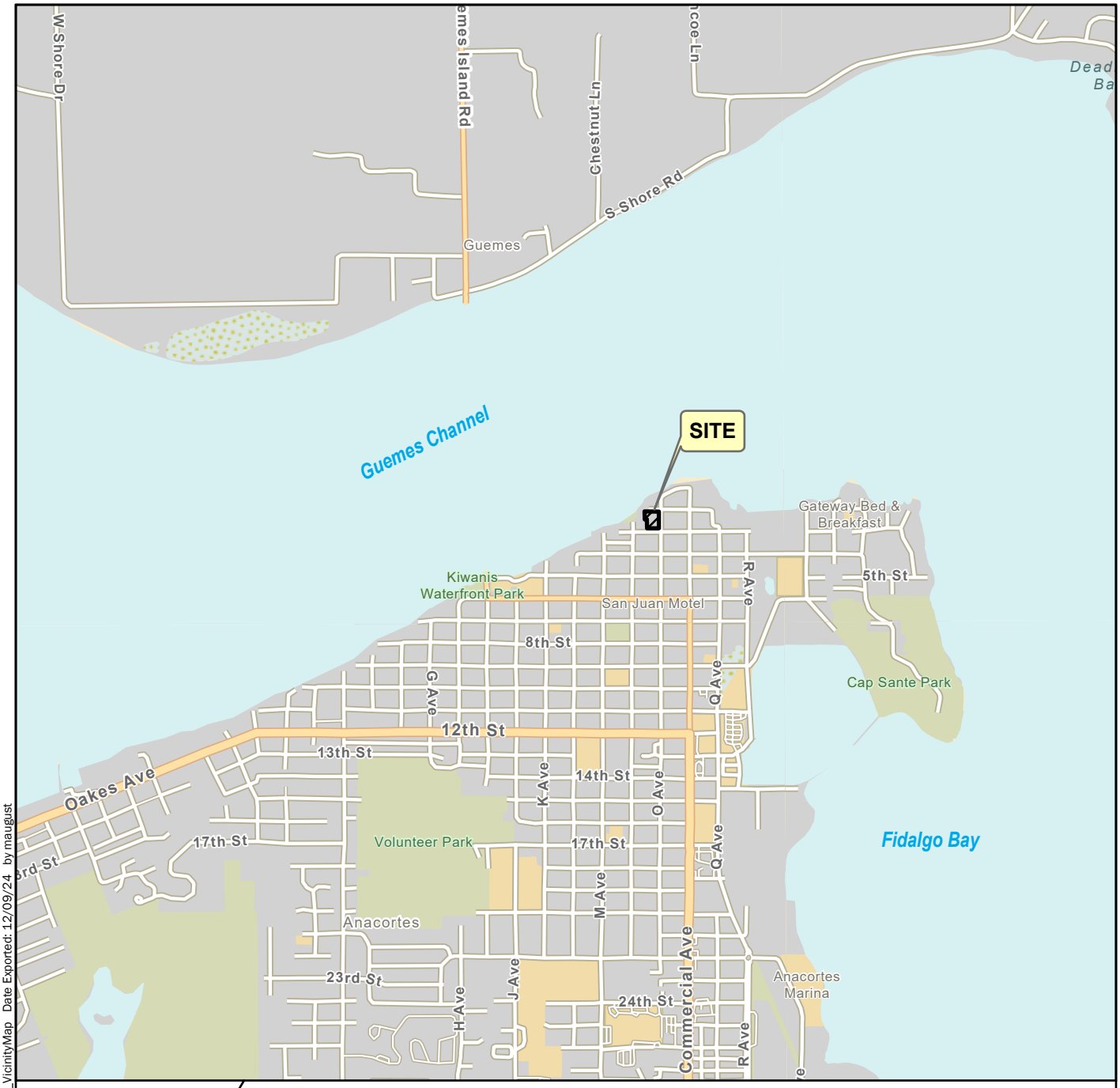
J = The analyte was detected and the detected concentration is considered an estimate.

Blue shading indicates that the practical quantitation limit (PQL) is above the preliminary screening level.

Yellow shading indicates that the identified concentration is greater than the preliminary screening level.

Bold font type indicates the analyte was detected at the reported concentration.

Figures



Source(s):
- ESRI

Coordinate System: NAD 1983 UTM Zone 10N

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

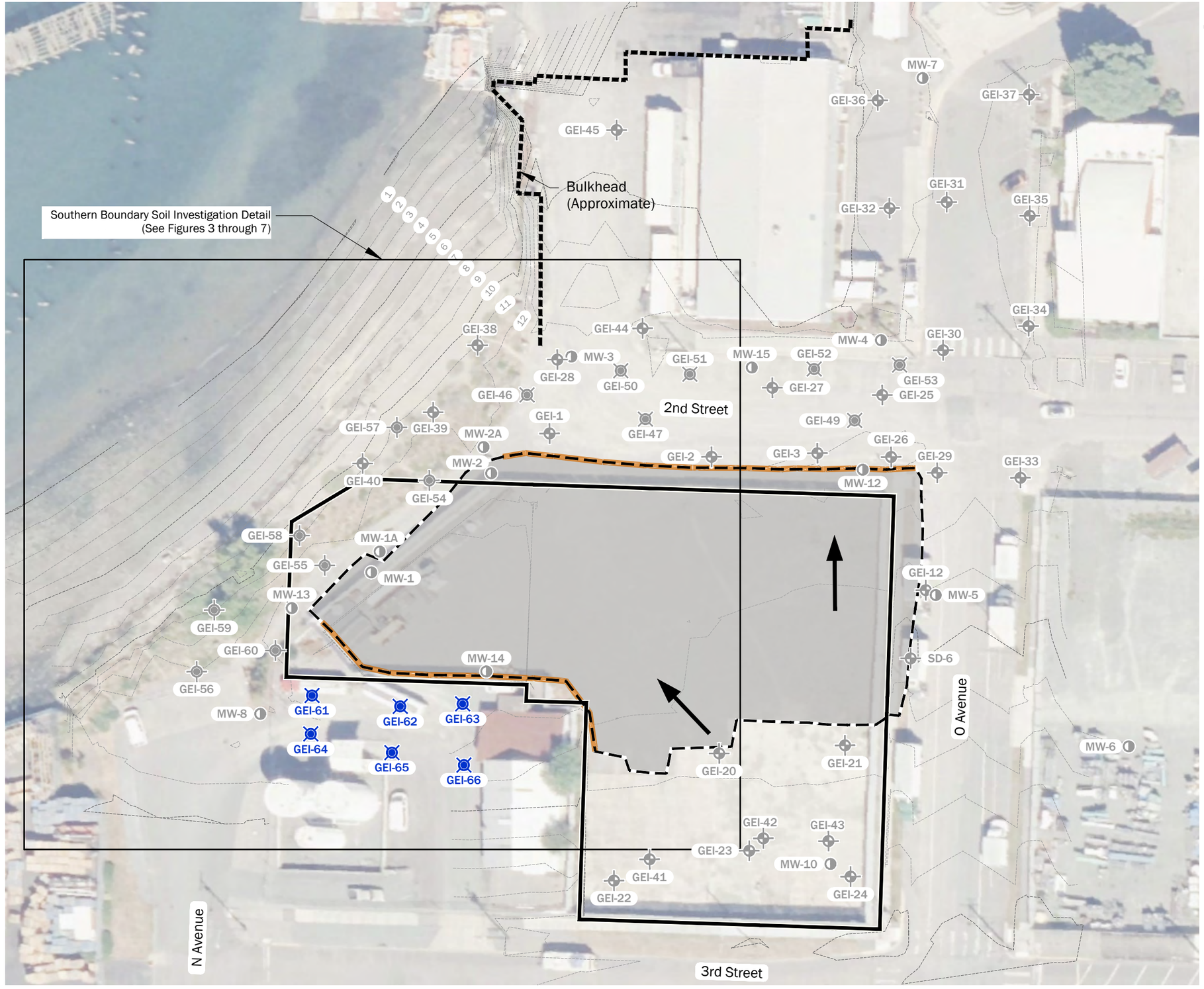
Vicinity Map

Quiet Cove Site
Anacortes, Washington

GeoEngineers

Figure 1

P:\5\5147024\GIS\5147024_Project\5147024_Project.aprx\5147024_F01_VicinityMap Date Exported: 12/09/24 by maugust



Legend

- Port of Anacortes Properties at Quiet Cove Site
- 10 — Contour (Feet, NAVD 88)
- Interim Action Remedial Excavation Horizontal Limits
- Interim Action Sidewall Soil Sample with Preliminary Screening Level Exceedance
- GEI-62 — Southern Boundary Soil Boring Location (GeoEngineers, 2025
- GEI-54 — Riparian Area Soil Boring Location (GeoEngineers 2024)
- GEI-51 — 2nd Street Data Gap Soil Boring Location (GeoEngineers 2022)
- MW-1A — Historical Monitoring Wells (GeoEngineers 2017-2021)
- GEI-39 — Historical Soil Boring Borings (GeoEngineers 2014-2017)
- Inferred Groundwater Flow Direction

Source(s):

- Aerial from Microsoft Bing
- Survey from Sound Development Group, dated 10/11/2017

Coordinate System: WA State Plane, North Zone, NAD83, US Foot, NAVD88

N

0 50
Feet

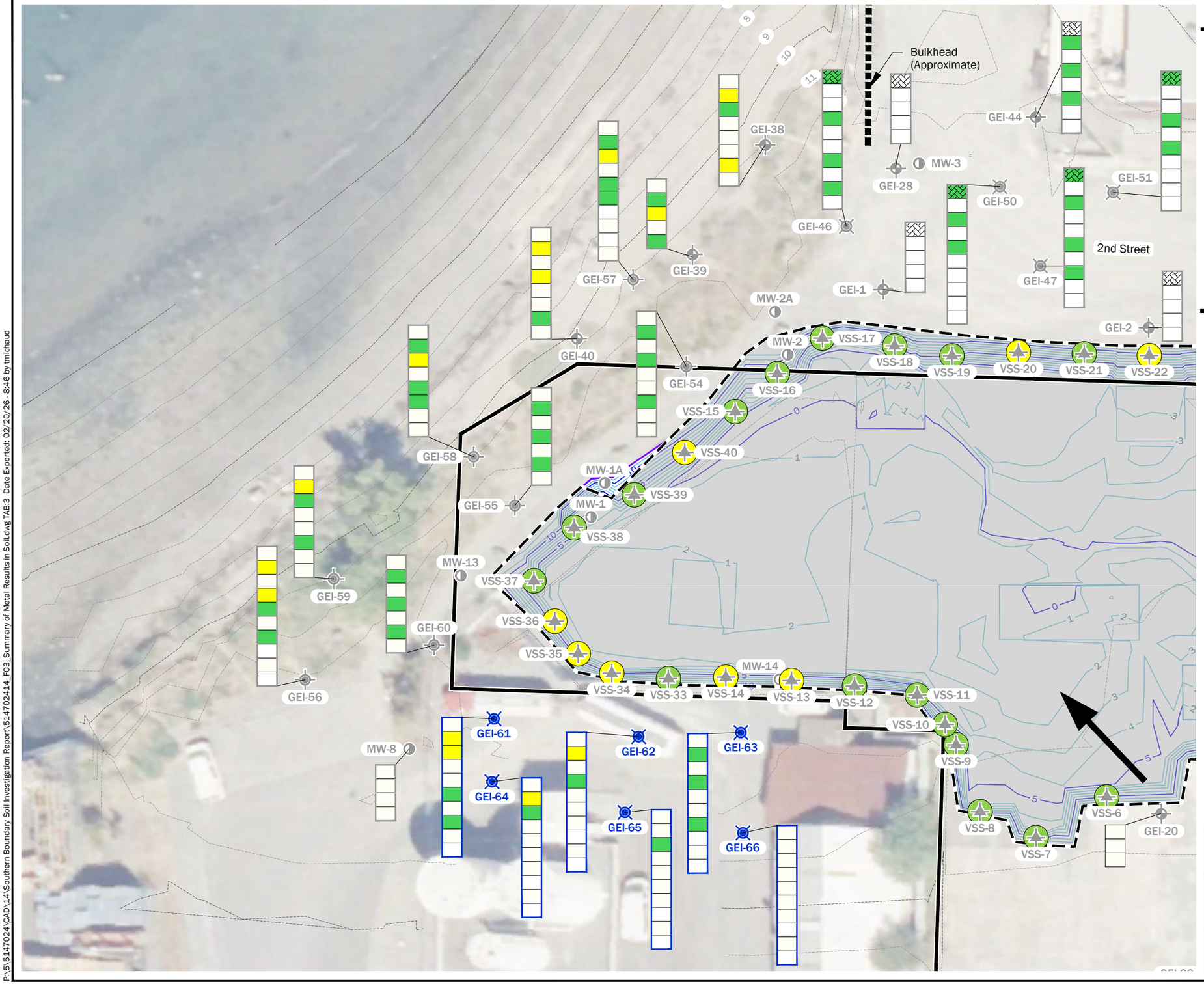
Remedial Investigation Soil Sampling Locations

Quiet Cove Site
Anacortes, Washington

GeoEngineers

Figure 2

P:\5\5147024\CAD\14\Southern Boundary Soil Investigation Report\5147024414_F02_Remedial Investigation Soil Sampling Locations.dwg TAB:2 Date Exported: 10/06/25 - 15:35 by jfellows



Legend

- Port of Anacortes Properties at Quiet Cove Site
- 10 — Contour (Feet, NAVD 88)
- Interim Action Remedial Excavation Horizontal Limits
- 5 — Excavation Major Contours (ft NAD83)
- 4 — Excavation Minor Contours (ft NAD83)
- GEI-62 — Southern Boundary Soil Boring Location (GeoEngineers, 2025
- GEI-54 — Riparian Area Soil Boring Location (GeoEngineers 2024)
- GEI-51 — 2nd Street Data Gap Soil Boring Location (GeoEngineers 2022)
- VSS-16 — Interim Action Side Wall Confirmation Sample (GeoEngineers 2020)
- MW-1A — Historical Monitoring Wells (GeoEngineers 2017-2021)
- GEI-39 — Historical Soil Boring Borings (GeoEngineers 2014-2017)
- Inferred Groundwater Flow Direction

Depth Interval of Soil Boring Samples

Soil Boring - Each Box Represents a 2-foot Sample Interval (Feet Below Ground Surface)

Soil represented by this sample removed during the 2nd Street Paving Project.

Soil Chemical Analytical Result

Metals (One or More) Detected at a Concentration Greater Than the Preliminary Screening Level

Metals Either Not Detected or Detected at a Concentration Less Than the Preliminary Screening Level

No Sample Result

Source(s):
- Aerial from Microsoft Bing
- Survey from Sound Development Group, dated 10/11/2017

Coordinate System: WA State Plane, North Zone, NAD83, US Foot, NAVD88

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

N

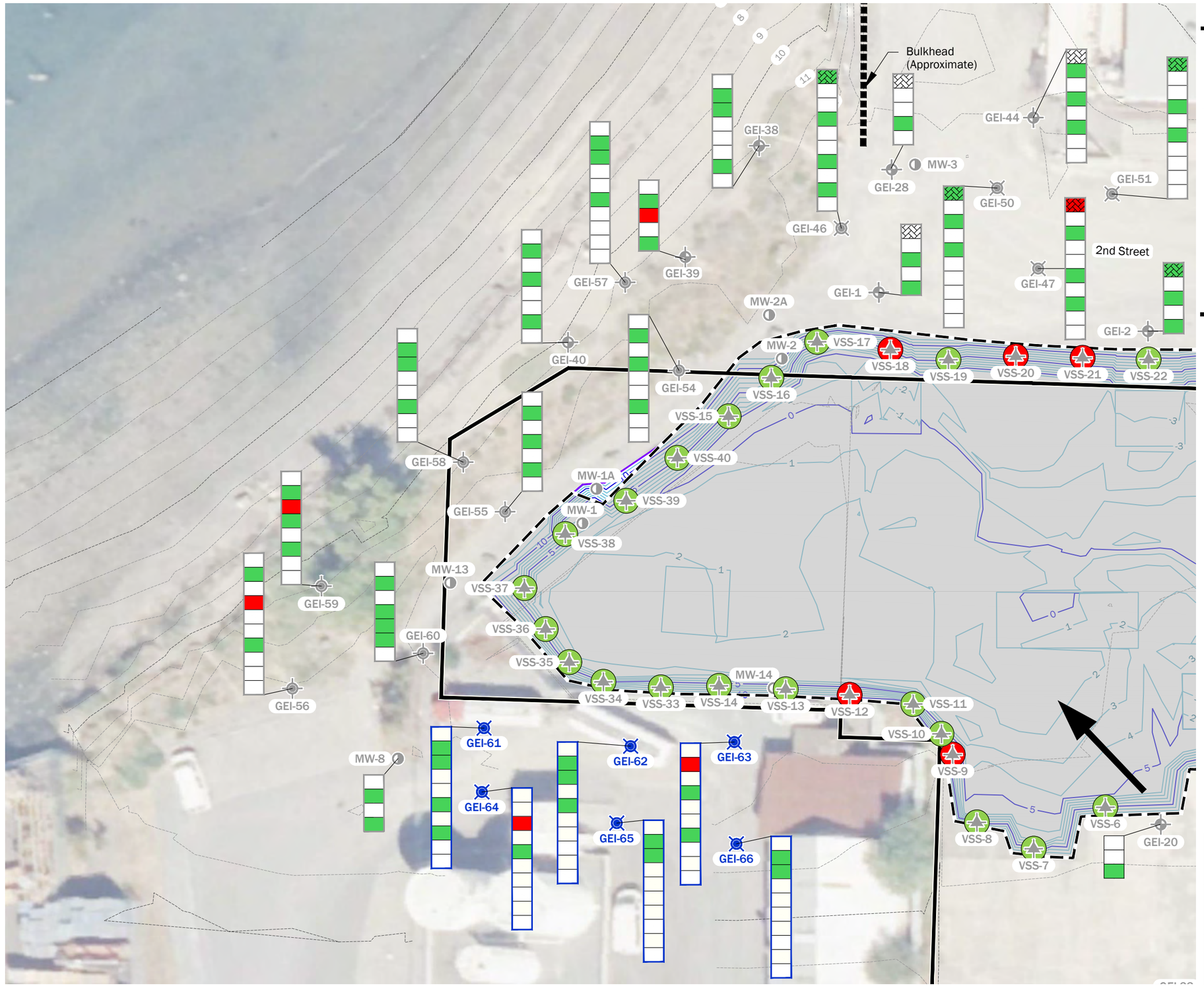
0 30 Feet

Summary of Metal Results in Soil

Quiet Cove Site
Anacortes, Washington

GeoEngineers

Figure 3



Legend

- Port of Anacortes Properties at Quiet Cove Site
- 10 — Contour (Feet, NAVD 88)
- Interim Action Remedial Excavation Horizontal Limits
- 5 — Excavation Major Contours (ft NAD83)
- 4 — Excavation Minor Contours (ft NAD83)
- GEI-62 — Southern Boundary Soil Boring Location (GeoEngineers, 2025
- GEI-54 — Riparian Area Soil Boring Location (GeoEngineers 2024)
- GEI-51 — 2nd Street Data Gap Soil Boring Location (GeoEngineers 2022)
- VSS-16 — Interim Action Side Wall Confirmation Sample (GeoEngineers 2020)
- MW-1A — Historical Monitoring Wells (GeoEngineers 2017-2021)
- GEI-39 — Historical Soil Boring Borings (GeoEngineers 2014-2017)
- Inferred Groundwater Flow Direction

Depth Interval of Soil Boring Samples

- Soil Boring - Each Box Represents a 2-foot Sample Interval (Feet Below Ground Surface)
- Soil represented by this sample removed during the 2nd Street Paving Project.

Soil Chemical Analytical Result

- Gasoline-Range Petroleum Hydrocarbons Detected at a Concentration Greater Than the Preliminary Screening Level
- Gasoline-Range Petroleum Hydrocarbons Either Not Detected or Detected at a Concentration Less Than the Preliminary Screening Level
- No Sample Result

Source(s):
- Aerial from Microsoft Bing
- Survey from Sound Development Group, dated 10/11/2017

Coordinate System: WA State Plane, North Zone, NAD83, US Foot, NAVD88

N

0 30 Feet

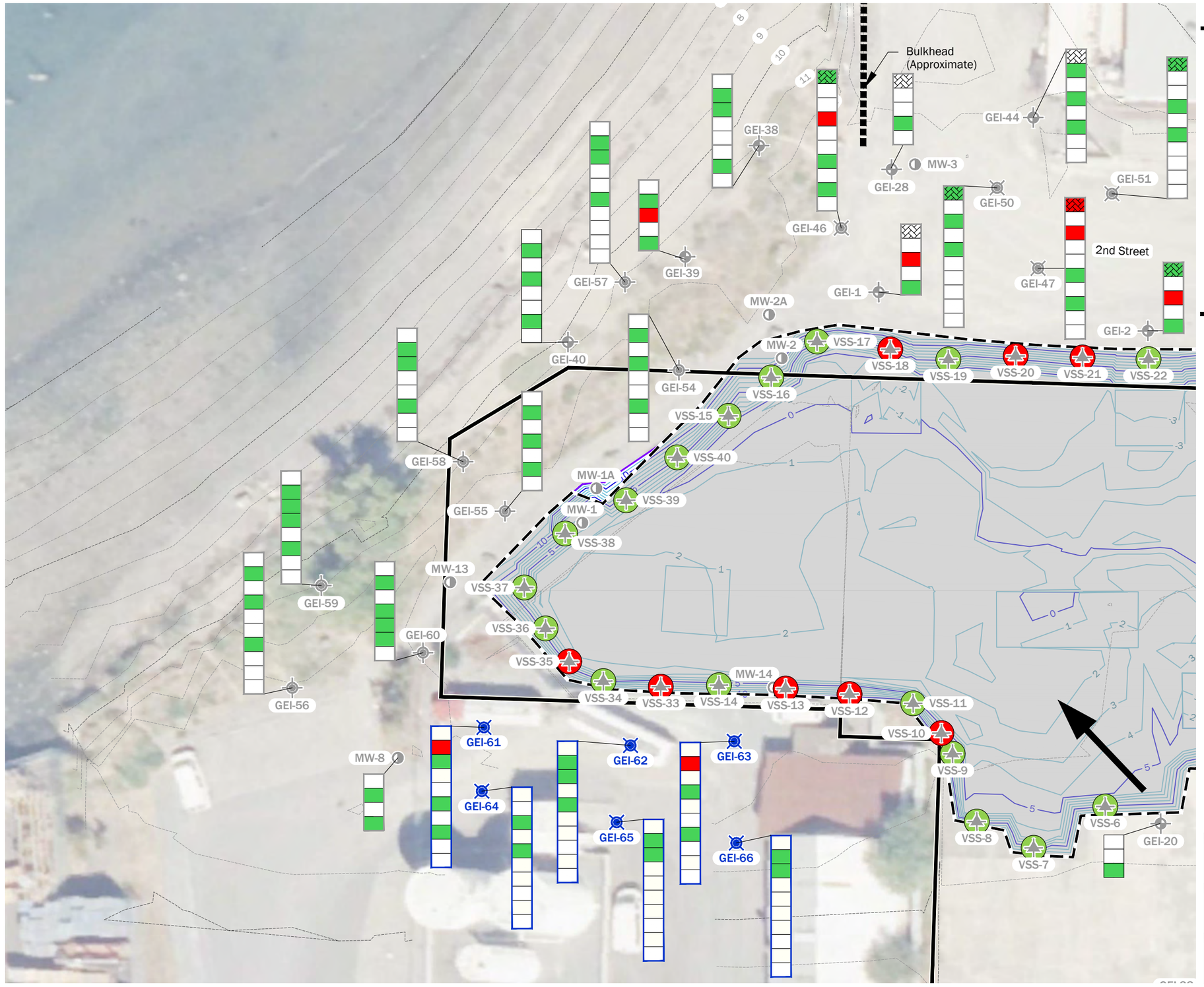
Summary of Gasoline-Range Petroleum Hydrocarbon Results in Soil

Quiet Cove Site
Anacortes, Washington

GeoEngineers

Figure 4

P:\5\5147024\CAD\14\Southern Boundary Soil Investigation Report\5147024l4_F04_Summary of Gasoline-Range Petroleum Hydrocarbon Results in Soil.dwg TAB:4 Date Exported: 02/20/26 - 8:48 by tmichaud



Legend

- Port of Anacortes Properties at Quiet Cove Site
- 10 — Contour (Feet, NAVD 88)
- Interim Action Remedial Excavation Horizontal Limits
- 5 — Excavation Major Contours (ft NAD83)
- 4 — Excavation Minor Contours (ft NAD83)
- GEI-62 — Southern Boundary Soil Boring Location (GeoEngineers, 2025
- GEI-54 — Riparian Area Soil Boring Location (GeoEngineers 2024)
- GEI-51 — 2nd Street Data Gap Soil Boring Location (GeoEngineers 2022)
- VSS-16 — Interim Action Side Wall Confirmation Sample (GeoEngineers 2020)
- MW-1A — Historical Monitoring Wells (GeoEngineers 2017-2021)
- GEI-39 — Historical Soil Boring Borings (GeoEngineers 2014-2017)
- Inferred Groundwater Flow Direction

Depth Interval of Soil Boring Samples

Soil Boring - Each Box Represents a 2-foot Sample Interval (Feet Below Ground Surface)

Soil represented by this sample removed during the 2nd Street Paving Project.

Soil Chemical Analytical Result

Total Diesel/Heavy Oil-Range Petroleum Hydrocarbons Detected at a Concentration Greater Than the Preliminary Screening Level

Total Diesel/Heavy Oil-Range Petroleum Hydrocarbons Either Not Detected or Detected at a Concentration Less Than the Preliminary Screening Level

No Sample Result

Source(s):

- Aerial from Microsoft Bing
- Survey from Sound Development Group, dated 10/11/2017

Coordinate System: WA State Plane, North Zone, NAD83, US Foot, NAVD88

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

N

0 30 Feet

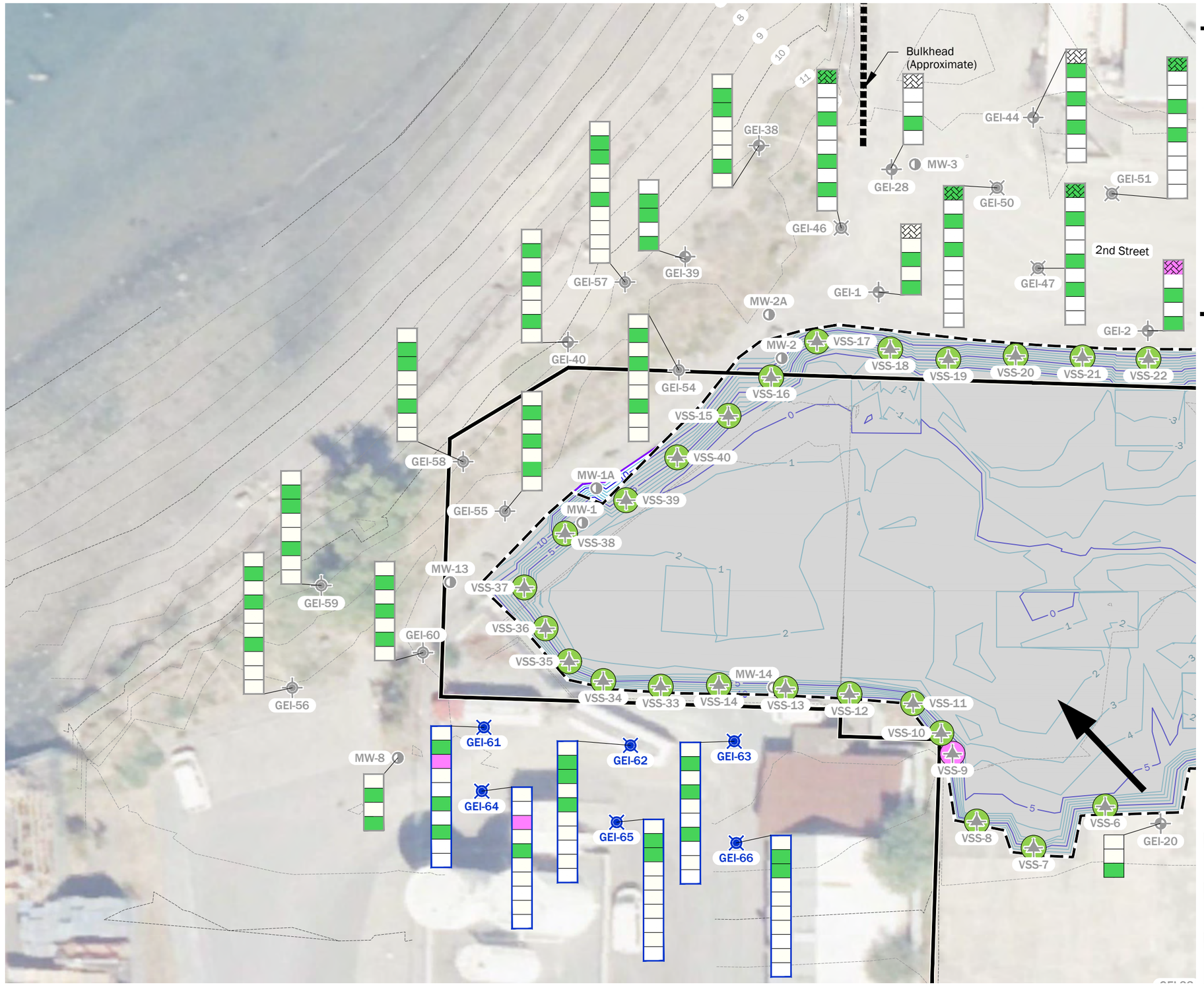
Summary of Total Diesel/Heavy Oil-Range Petroleum Hydrocarbon Results in Soil

Quiet Cove Site
Anacortes, Washington

GeoEngineers

Figure 5

P:\5\5147024\CAD\14\Southern Boundary Soil Investigation Report\5147024I4_F05_Summary of Total DieselHeavy Oil-Range Petroleum Hydrocarbon Results in Soil.dwg TAB:5 Date Exported: 02/20/26 - 8:50 by tmichaud



Legend

- Port of Anacortes Properties at Quiet Cove Site
- 10 — Contour (Feet, NAVD 88)
- Interim Action Remedial Excavation Horizontal Limits
- 5 — Excavation Major Contours (ft NAD83)
- 4 — Excavation Minor Contours (ft NAD83)
- GEI-62 — Southern Boundary Soil Boring Location (GeoEngineers, 2025
- GEI-54 — Riparian Area Soil Boring Location (GeoEngineers 2024)
- GEI-51 — 2nd Street Data Gap Soil Boring Location (GeoEngineers 2022)
- VSS-16 — Interim Action Side Wall Confirmation Sample (GeoEngineers 2020)
- MW-1A — Historical Monitoring Wells (GeoEngineers 2017-2021)
- GEI-39 — Historical Soil Boring Borings (GeoEngineers 2014-2017)
- Inferred Groundwater Flow Direction

Depth Interval of Soil Boring Samples

Soil Boring - Each Box Represents a 2-foot Sample Interval (Feet Below Ground Surface)

Soil represented by this sample removed during the 2nd Street Paving Project.

Soil Chemical Analytical Result

VOCs (One or More) Detected at a Concentration Greater Than the Preliminary Screening Level

VOCs Either Not Detected or Detected at a Concentration Less Than the Preliminary Screening Level

No Sample Result

VOC = Volatile Organic Compound

Source(s):
- Aerial from Microsoft Bing
- Survey from Sound Development Group, dated 10/11/2017

Coordinate System: WA State Plane, North Zone, NAD83, US Foot, NAVD88

N

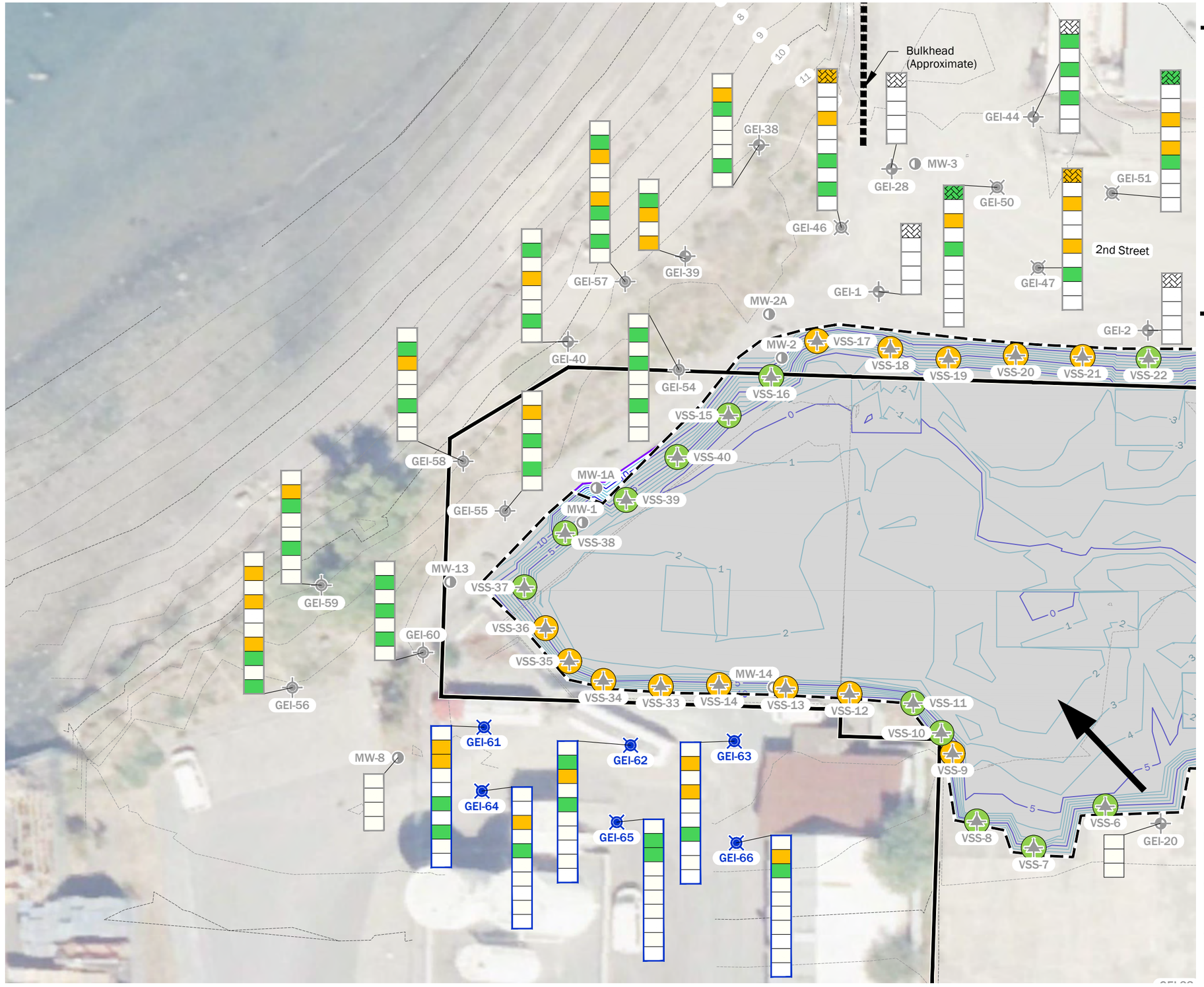
0 30 Feet

Summary of VOC Results in Soil

Quiet Cove Site
Anacortes, Washington

GeoEngineers

Figure 6



Legend

- Port of Anacortes Properties at Quiet Cove Site
- 10 — Contour (Feet, NAVD 88)
- Interim Action Remedial Excavation Horizontal Limits
- 5 — Excavation Major Contours (ft NAD83)
- 4 — Excavation Minor Contours (ft NAD83)
- GEI-62 — Southern Boundary Soil Boring Location (GeoEngineers, 2025
- GEI-54 — Riparian Area Soil Boring Location (GeoEngineers 2024)
- GEI-51 — 2nd Street Data Gap Soil Boring Location (GeoEngineers 2022)
- VSS-16 — Interim Action Side Wall Confirmation Sample (GeoEngineers 2020)
- MW-1A — Historical Monitoring Wells (GeoEngineers 2017-2021)
- GEI-39 — Historical Soil Boring Borings (GeoEngineers 2014-2017)
- Inferred Groundwater Flow Direction

Depth Interval of Soil Boring Samples

Soil Boring - Each Box Represents a 2-foot Sample Interval (Feet Below Ground Surface)

Soil represented by this sample removed during the 2nd Street Paving Project.

Soil Chemical Analytical Result

PAHs (One or More) Detected at a Concentration Greater Than the Preliminary Screening Level

PAHss Either Not Detected or Detected at a Concentration Less Than the Preliminary Screening Level

No Sample Result

PAH = Polycyclic Aromatic Hydrocarbon

Source(s):
- Aerial from Microsoft Bing
- Survey from Sound Development Group, dated 10/11/2017

Coordinate System: WA State Plane, North Zone, NAD83, US Foot, NAVD88

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

N

0 30 Feet

Summary of PAH Results in Soil

Quiet Cove Site
Anacortes, Washington

GeoEngineers

Figure 7

P:\5\5147024\CAD\14\Southern Boundary Soil Investigation Report\5147024I4_F07_Summary of PAH Results in Soil.dwg TAB:7 Date Exported: 02/20/26 - 8:56 by tmichaud

Attachments

Attachment A
Exploration 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
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE			GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		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
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE			SP	POORLY-GRADED SANDS, GRAVELLY SAND
		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

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

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.

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
EI	Expansion index
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.

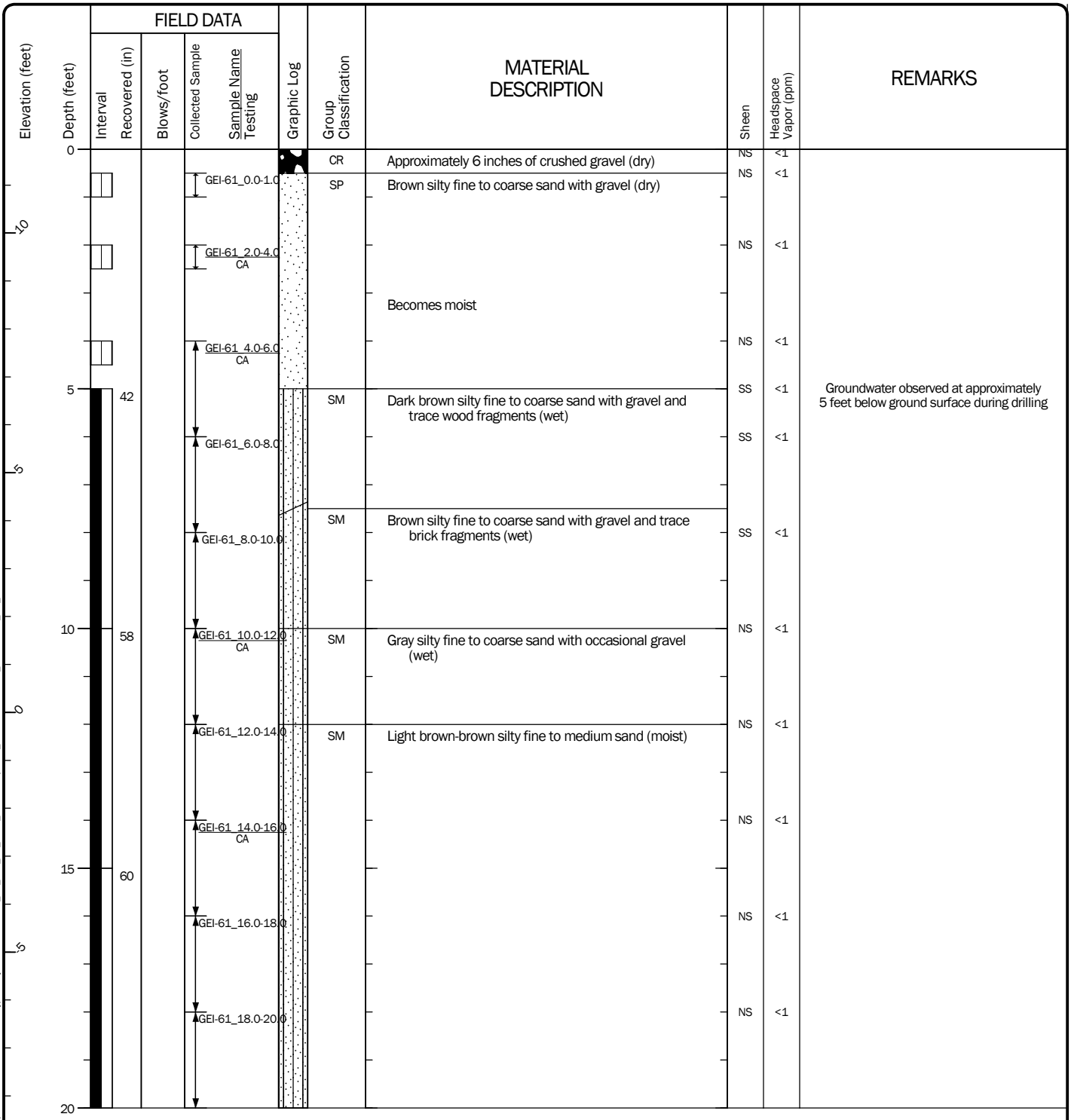
Key to Exploration Logs

GeoEngineers

Figure A-1

Drilled Start 8/20/2025 End 8/20/2025	Total Depth (ft) 20	Logged By NRS Checked By JMP	Driller Cascade Environmental	Drilling Method Direct Push	
Surface Elevation (ft) 11.75 Vertical Datum NAVD88		Hammer Data Pneumatic		Drilling Equipment Track Drill Rig	
Easting (X) 1208568.27 Northing (Y) 559583.38		System Datum WA State Plane North Zone		See "Remarks" section for groundwater observed	

Notes: Boring cleared for potential buried utilities using an air knife to an approximate depth of 5 feet below ground surface



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on handheld GPS unit. Vertical approximated based on 2017 Sound Development Group survey.

Log of Boring GEI-61

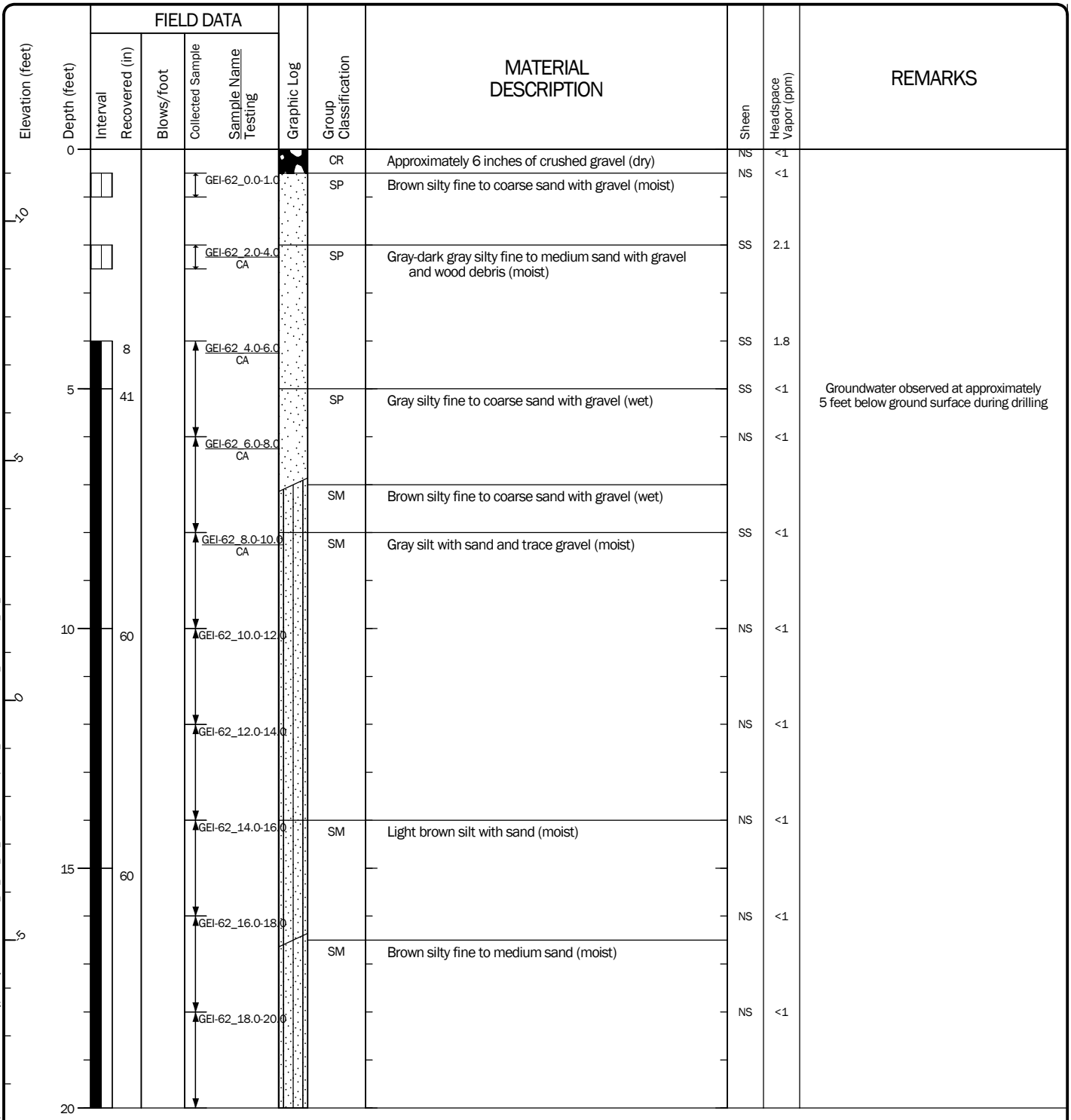
GeoEngineers

Project: Quiet Cove Site
Project Location: Anacortes, Washington
Project Number: 5147-024-14

Figure A-2
Sheet 1 of 1

Drilled Start 8/20/2025 End 8/20/2025	Total Depth (ft) 20	Logged By NRS Checked By JMP	Driller Cascade Environmental	Drilling Method Direct Push	
Surface Elevation (ft) 11.5 Vertical Datum NAVD88		Hammer Data Pneumatic		Drilling Equipment Track Drill Rig	
Easting (X) 1208612.21 Northing (Y) 559577.83		System Datum WA State Plane North Zone		See "Remarks" section for groundwater observed	

Notes: Boring cleared for potential buried utilities using an air knife to an approximate depth of 4 feet below ground surface



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on handheld GPS unit. Vertical approximated based on 2017 Sound Development Group survey.

Log of Boring GEI-62

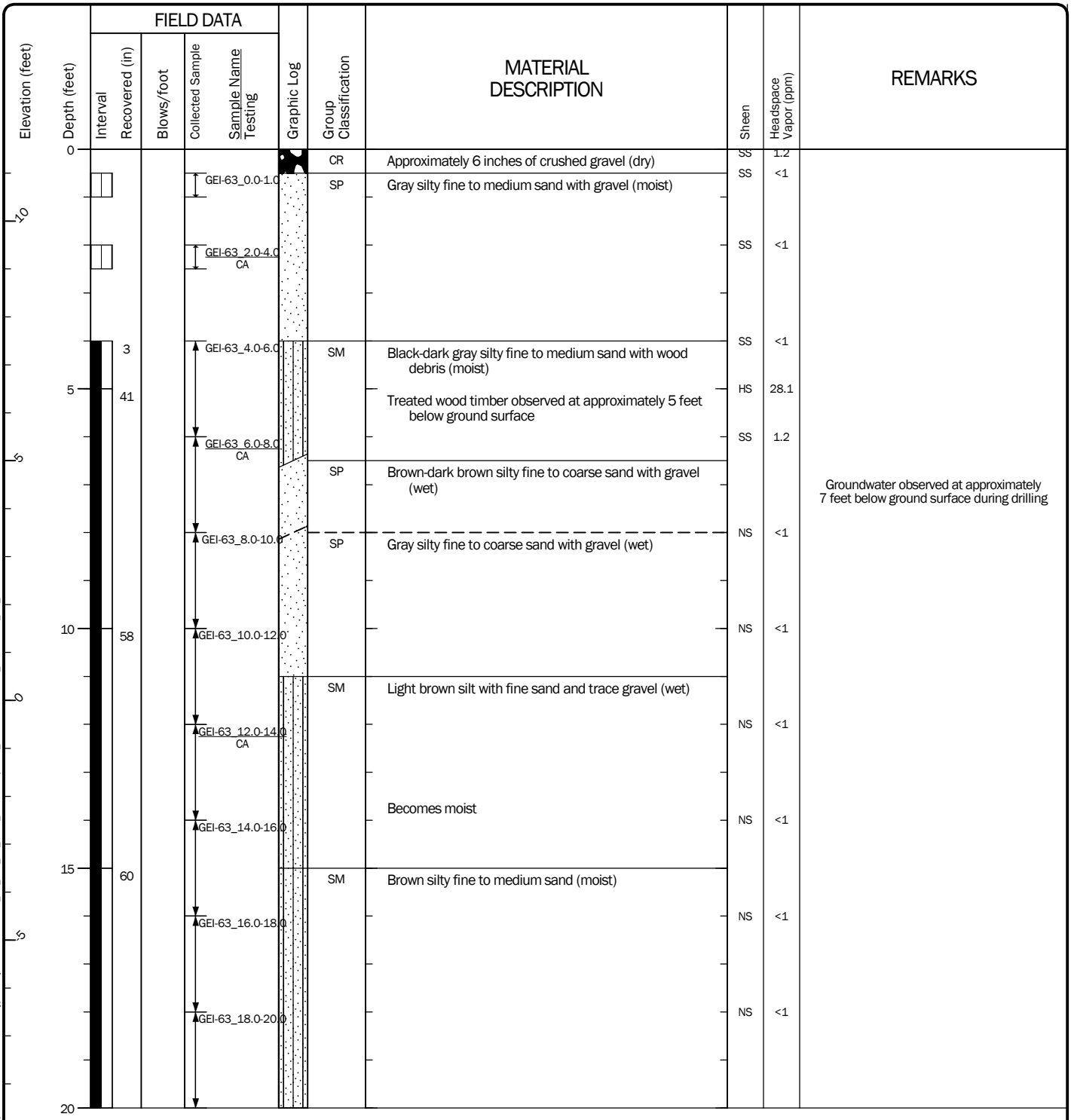
GeoEngineers

Project: Quiet Cove Site
Project Location: Anacortes, Washington
Project Number: 5147-024-14

Figure A-3
Sheet 1 of 1

Drilled Start 8/20/2025 End 8/20/2025	Total Depth (ft) 20	Logged By NRS Checked By JMP	Driller Cascade Environmental	Drilling Method Direct Push	
Surface Elevation (ft) 11.5 Vertical Datum NAVD88		Hammer Data Pneumatic		Drilling Equipment Track Drill Rig	
Easting (X) 1208643.31 Northing (Y) 559579.07		System Datum WA State Plane North Zone		See "Remarks" section for groundwater observed	

Notes: Boring cleared for potential buried utilities using an air knife to an approximate depth of 4 feet below ground surface



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on handheld GPS unit. Vertical approximated based on 2017 Sound Development Group survey.

Log of Boring GEI-63

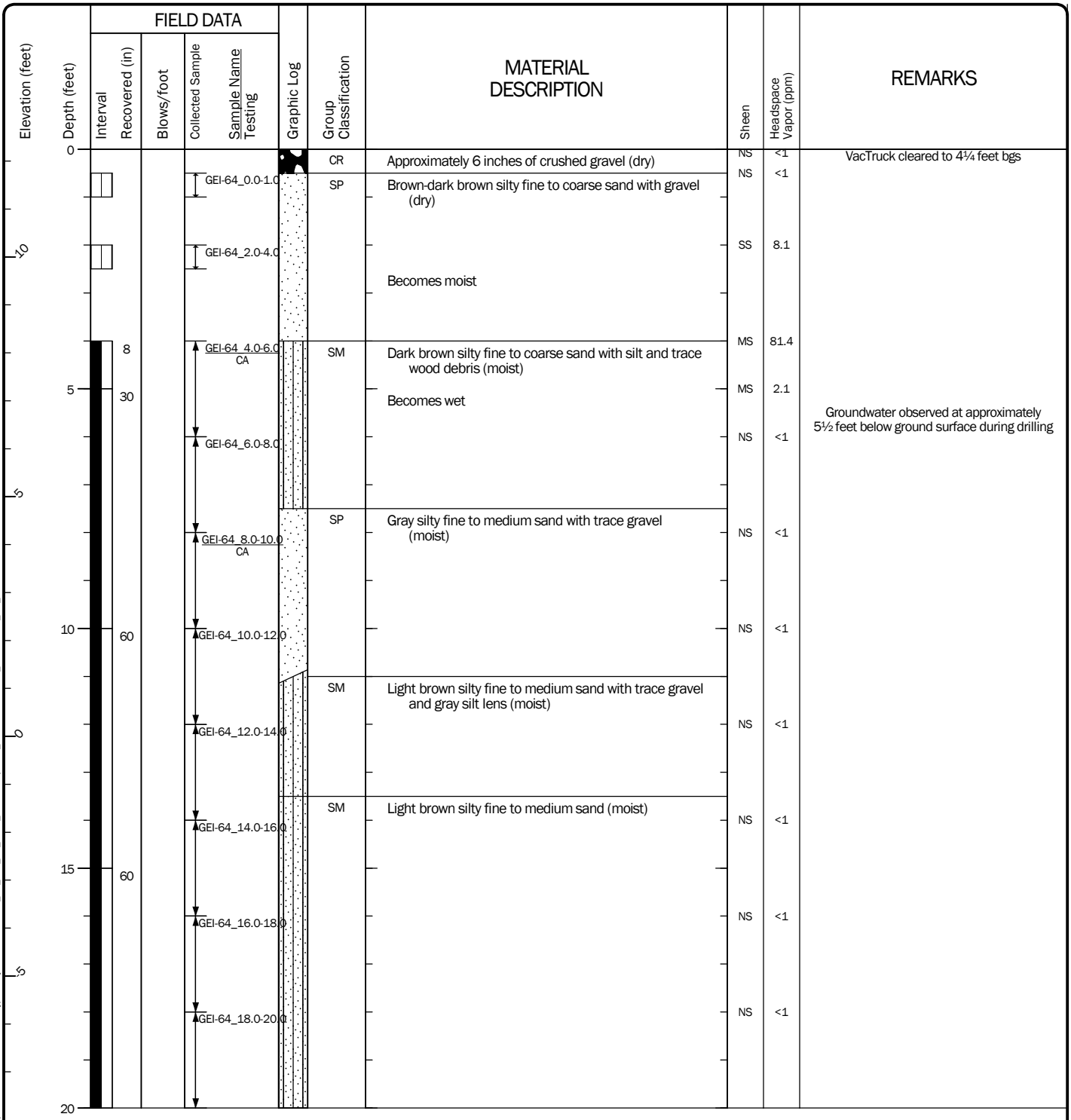
GeoEngineers

Project: Quiet Cove Site
Project Location: Anacortes, Washington
Project Number: 5147-024-14

Figure A-4
Sheet 1 of 1

Drilled Start 8/20/2025 End 8/20/2025	Total Depth (ft) 20	Logged By NRS Checked By JMP	Driller Cascade Environmental	Drilling Method Direct Push	
Surface Elevation (ft) 12.25 Vertical Datum NAVD88		Hammer Data Pneumatic		Drilling Equipment Track Drill Rig	
Easting (X) 1208567.61 Northing (Y) 559564.03		System Datum WA State Plane North Zone		See "Remarks" section for groundwater observed	

Notes: Boring cleared for potential buried utilities using an air knife to an approximate depth of 4 feet below ground surface



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on handheld GPS unit. Vertical approximated based on 2017 Sound Development Group survey.

Log of Boring GEI-64

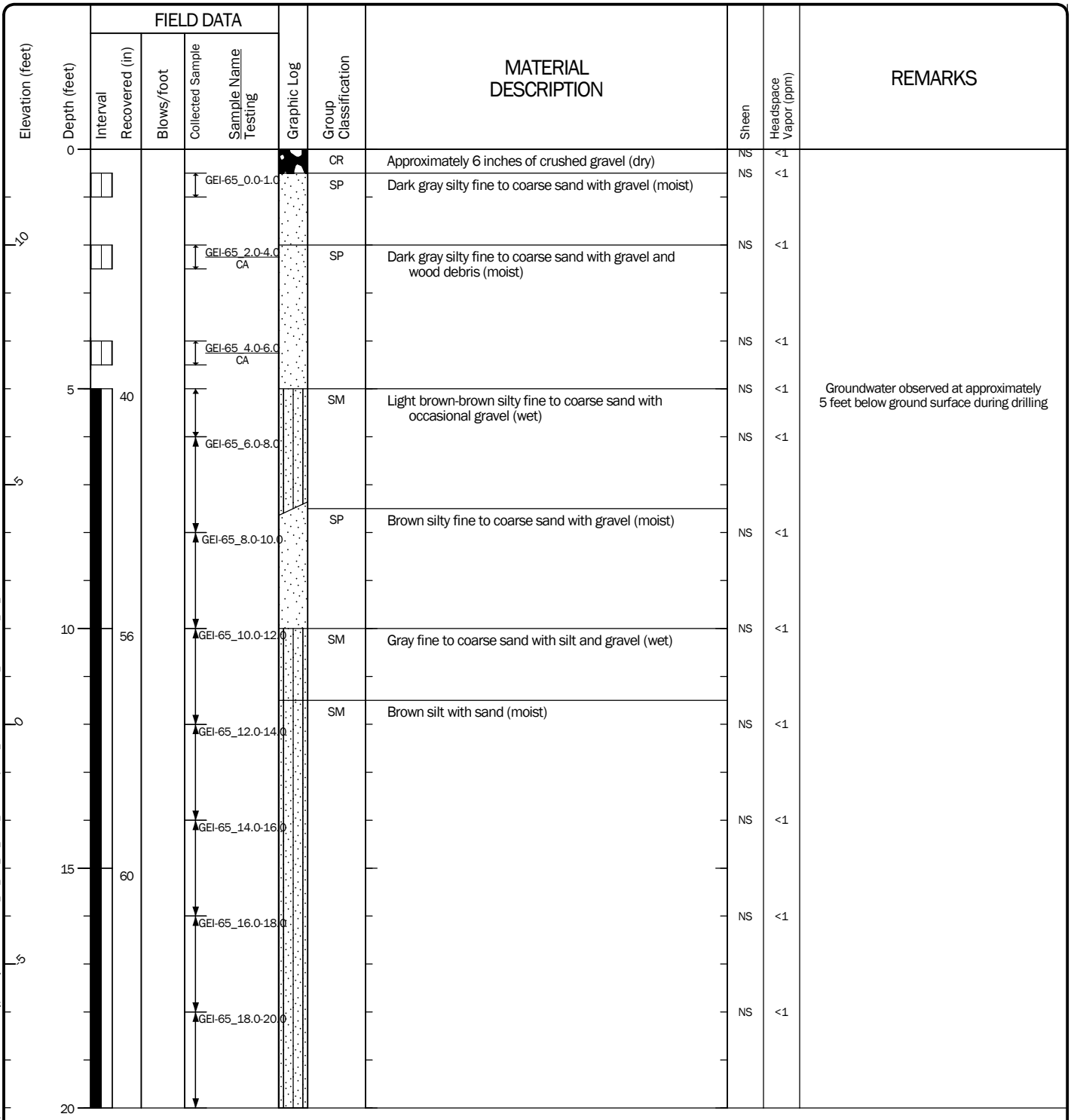
GeoEngineers

Project: Quiet Cove Site
Project Location: Anacortes, Washington
Project Number: 5147-024-14

Figure A-5
Sheet 1 of 1

Drilled Start 8/21/2025 End 8/21/2025	Total Depth (ft) 20	Logged By NRS Checked By JMP	Driller Cascade Environmental	Drilling Method Direct Push	
Surface Elevation (ft) 12 Vertical Datum NAVD88		Hammer Data Pneumatic		Drilling Equipment Track Drill Rig	
Easting (X) 1208608.09 Northing (Y) 559554.66		System Datum WA State Plane North Zone		See "Remarks" section for groundwater observed	

Notes: Boring cleared for potential buried utilities using an air knife to an approximate depth of 5 feet below ground surface



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on handheld GPS unit. Vertical approximated based on 2017 Sound Development Group survey.

Log of Boring GEI-65

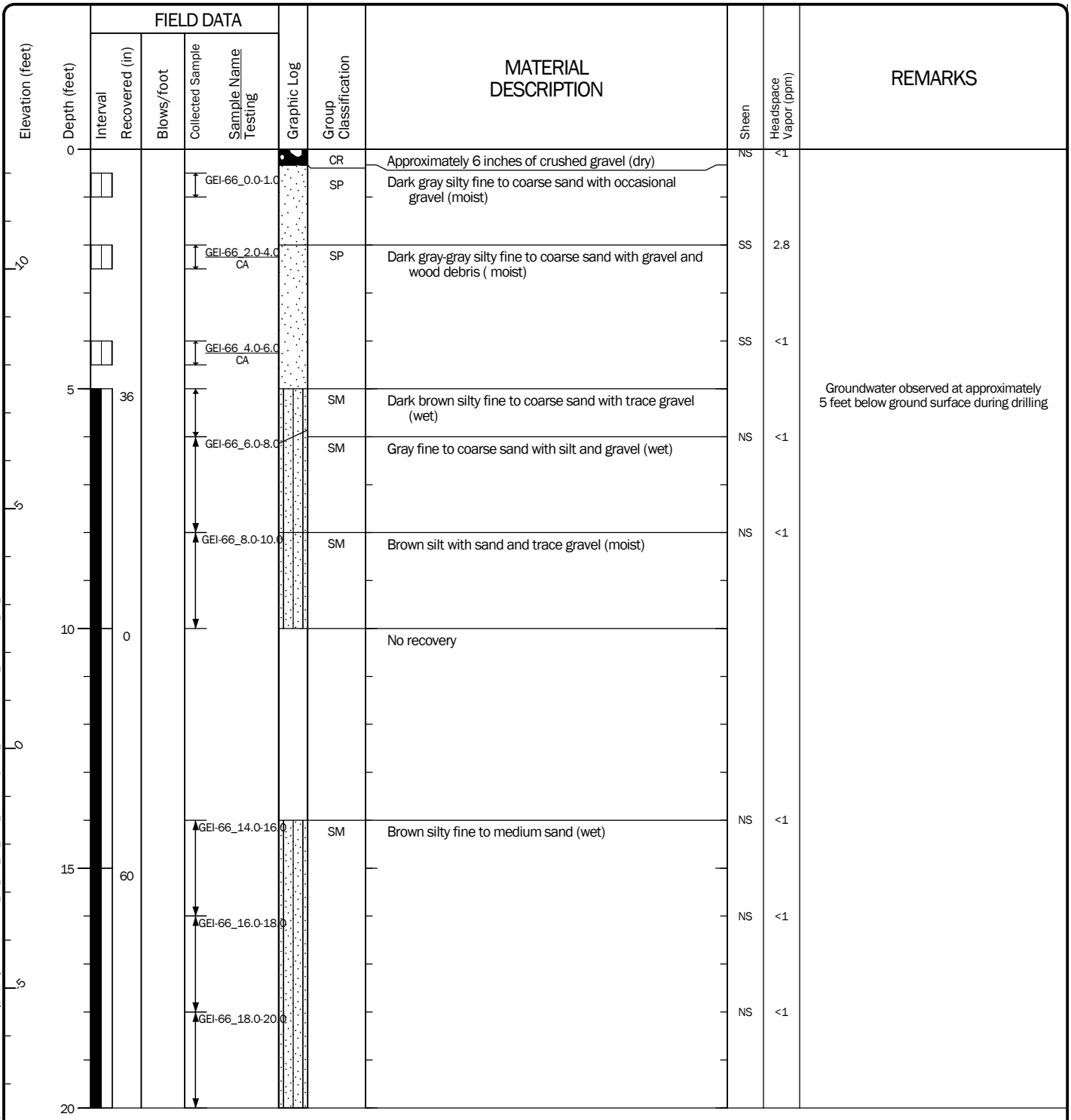
GeoEngineers

Project: Quiet Cove Site
Project Location: Anacortes, Washington
Project Number: 5147-024-14

Figure A-6
Sheet 1 of 1

Drilled Start 8/21/2025 End 8/21/2025	Total Depth (ft) 20	Logged By NRS Checked By JMP	Driller Cascade Environmental	Drilling Method Direct Push	
Surface Elevation (ft) 12.5 Vertical Datum NAVD88		Hammer Data Pneumatic		Drilling Equipment Track Drill Rig	
Easting (X) 1208643.97 Northing (Y) 559548.41		System Datum WA State Plane North Zone		See "Remarks" section for groundwater observed	

Notes: Boring cleared for potential buried utilities using an air knife to an approximate depth of 5 feet below ground surface



Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on handheld GPS unit. Vertical approximated based on 2017 Sound Development Group survey.

Log of Boring GEI-66

GeoEngineers

Project: Quiet Cove Site
Project Location: Anacortes, Washington
Project Number: 5147-024-14

Figure A-7
Sheet 1 of 1

Attachment B
Laboratory Data Report

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

September 12, 2025

Brian Tracy
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 5147-024-14
Laboratory Reference No. 2508-279

Dear Brian:

Enclosed are the analytical results and associated quality control data for samples submitted on August 22, 2025.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: September 12, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

Case Narrative

Samples were collected on August 20 and 21, 2025 and received by the laboratory on August 22, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

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

Total Metals EPA 6010D/7471B Analysis

The duplicate RPD for Lead is outside control limits due to sample inhomogeneity.

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

Date of Report: September 12, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
GEI-62_2.0-4.0	08-279-12	Soil	8-20-25	8-22-25	
GEI-62_6.0-8.0	08-279-14	Soil	8-20-25	8-22-25	
GEI-64_2.0-4.0	08-279-32	Soil	8-20-25	8-22-25	

Date of Report: September 12, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_2.0-4.0**					
Laboratory ID:	08-279-12					
Cadmium	**ND**	0.63	EPA 6010D	9-11-25	9-11-25	
Lead	**55**	6.3	EPA 6010D	9-11-25	9-11-25	
Mercury	**0.085**	0.063	EPA 7471B	9-11-25	9-11-25	
Client ID:	**GEI-62_6.0-8.0**					
Laboratory ID:	08-279-14					
Cadmium	**ND**	0.60	EPA 6010D	9-11-25	9-11-25	
Lead	**ND**	6.0	EPA 6010D	9-11-25	9-11-25	
Mercury	**ND**	0.060	EPA 7471B	9-11-25	9-11-25	
Client ID:	**GEI-64_2.0-4.0**					
Laboratory ID:	08-279-32					
Cadmium	**ND**	0.60	EPA 6010D	9-11-25	9-11-25	
Lead	**210**	6.0	EPA 6010D	9-11-25	9-11-25	
Mercury	**0.17**	0.060	EPA 7471B	9-11-25	9-11-25	

Date of Report: September 12, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0911SM2					
Cadmium	**ND**	0.50	EPA 6010D	9-11-25	9-11-25	
Lead	**ND**	5.0	EPA 6010D	9-11-25	9-11-25	
Laboratory ID:	MB0911S1					
Mercury	**ND**	0.050	EPA 7471B	9-11-25	9-11-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-074-35										
	ORIG	DUP									
Cadmium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Lead	**2880**	**3930**	NA	NA		NA		NA	31	20	L
Laboratory ID:	08-279-12										
Mercury	**0.0677**	**0.0766**	NA	NA		NA		NA	12	20	
MATRIX SPIKES											
Laboratory ID:	09-074-35										
	MS	MSD	MS	MSD		MS	MSD				
Cadmium	**47.0**	**47.4**	50.0	50.0	ND	**94**	**95**	75-125	1	20	
Lead	**4930**	**4750**	2500	2500	2880	**82**	**75**	75-125	4	20	
Laboratory ID:	08-279-12										
Mercury	**0.559**	**0.553**	0.500	0.500	0.0677	**98**	**97**	80-120	1	20	

Date of Report: September 12, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Cadmium	ICV091125B	1.00	0.967	3.3	+/- 10%
Lead	ICV091125B	1.00	1.03	-3.0	+/- 10%
Mercury	ICV091125I	0.00500	0.00497	0.60	+/- 10%
Cadmium	LLV091125B	0.00500	0.00563	-12.6	+/- 20%
Lead	LLV091125B	0.100	0.107	-7.0	+/- 20%
Cadmium	CCV1091125B	0.500	0.511	-2.2	+/- 10%
Lead	CCV1091125B	10.0	10.2	-2.0	+/- 10%
Mercury	CCV1091125I	0.00500	0.00499	0.20	+/- 20%
Cadmium	CCV2091125B	0.500	0.518	-3.6	+/- 10%
Lead	CCV2091125B	10.0	10.5	-5.0	+/- 10%
Mercury	CCV2091125I	0.00500	0.00493	1.4	+/- 20%
Cadmium	CCV3091125B	0.500	0.510	-2.0	+/- 10%
Lead	CCV3091125B	10.0	10.3	-3.0	+/- 10%
Cadmium	CCV4091125B	0.500	0.506	-1.2	+/- 10%
Lead	CCV4091125B	10.0	10.1	-1.0	+/- 10%
Cadmium	CCV5091125B	0.500	0.509	-1.8	+/- 10%
Lead	CCV5091125B	10.0	10.3	-3.0	+/- 10%
Cadmium	CCV6091125B	0.500	0.492	1.6	+/- 10%
Lead	CCV6091125B	10.0	9.84	1.6	+/- 10%

Date of Report: September 12, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
GEI-62_2.0-4.0	08-279-12	**20**	8-28-25
GEI-62_6.0-8.0	08-279-14	**17**	9-11-25
GEI-64_2.0-4.0	08-279-32	**16**	9-11-25

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS, INC.
Project Number: 5147-024-14
Project Name: POA - GC SOUTHERN BOUNDARY SOIL INV.
Project Manager: BRIAN TRACY
Sampled by: NATE SOLOMON

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 * short list	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	GEI-61_0.0-2.0	1200	8.20.25	SOIL	5																						
2	GEI-61_2.0-4.0	1205	"	"	5			X	X	X				X						X							X
3	GEI-61_4.0-6.0	1210			5			X	X	X				X						X							X
4	GEI-61_6.0-8.0	1215			5																						
5	GEI-61_8.0-10.0	1220			5																						
6	GEI-61_10.0-12.0	1225			5			X	X	X				X						X							X
7	GEI-61_12.0-14.0	1230			5																						
8	GEI-61_14.0-16.0	1235			5			X	X	X				X						X							X
9	GEI-61_16.0-18.0	1240			5																						
10	GEI-61_18.0-20.0	1245	↓	↓	5																						

	Signature	Company	Date	Time
Relinquished		GEI	8.22.25	10:20
Received		GEL	8/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
(X) Added 8/27/25. DB (STA)
○ Added 9/2/25. DB (STA)
● Added 9/10/25. DB
* BTEX, MTBE, EDB, EDC, n-Hexane
** - Analyze Gx, VOCs on a 2 day TAT

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GeoEngineers
Project Number: 5417-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260 * Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total ~~MTCA~~ Metals Cd, Pb, Hg	TCLP Metals	HEM (oil and grease) 1664					% Moisture
11	GEI-62_0.0-2.0	8.20.25	1330	SOIL	5																						
12	GEI-62_2.0-4.0		1335		5			⊗	○	⊗				○						●							⊗
13	GEI-62_4.0-6.0		1340		5			⊗	○	⊗				○													⊗
14	GEI-62_6.0-8.0		1345		5															●							●
15	GEI-62_8.0-10.0		1350		5			⊗	○	⊗				○													⊗
16	GEI-62_10.0-12.0		1355		5																						
17	GEI-62_12.0-14.0		1400		5																						
18	GEI-62_14.0-16.0		1405		5																						
19	GEI-62_16.0-18.0		1410		5																						
20	GEI-62_18.0-20.0		1415		5																						

	Signature	Company	Date	Time
Relinquished		GEI	10.22.25	1020
Received		OSE	8/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* BTEX, MTBE, EDB, EDC, n-Hexane

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260 * Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
21	GEI-63_0.0-2.0	8.20.25	1430	Soil	5																						
22	GEI-63_2.0-4.0		1435		5			X	X	X				X						X							X
23	GEI-63_4.0-6.0		1440		5																						
24	GEI-63_6.0-8.0		1445		5			X	X	X				X						X							X
25	GEI-63_8.0-10.0		1450		5																						
26	GEI-63_10.0-12.0		1455		5																						
27	GEI-63_12.0-14.0		1500		5			X	X	X				X						X							X
28	GEI-63_14.0-16.0		1505		5																						
29	GEI-63_16.0-18.0		1510		5																						
30	GEI-63_18.0-20.0		1515		5																						

	Signature	Company	Date	Time
Relinquished		GEI	10.22.25	1020
Received		OSE	10/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street · Redmond, WA 98052
Phone: (425) 883-3881 · www.onsite-env.com

Company: GEI
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260 *Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals Cd, Pb, Hg	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
31	GEI-64-0.0-2.0	8.20.25	1050	SOIL	5																						
32	GEI-64-2.0-4.0		1055		5														●								●
33	GEI-64-4.0-6.0		1100		5			X	X	X				X						X							X
34	GEI-64-6.0-8.0		1105		5																						
35	GEI-64-8.0-10.0		1110		5			(X)	O	(X)				O													(X)
36	GEI-64-10.0-12.0		1115		5																						
37	GEI-64-12.0-14.0		1120		5																						
38	GEI-64-14.0-16.0		1125		5																						
39	GEI-64-16.0-18.0		1130		5																						
40	GEI-64-18.0-20.0		1135		5																						

	Signature	Company	Date	Time
Relinquished		GEI	10.22.25	1020
Received		OSE	8/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Days **
- ☐ 3 Days
- ☒ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 * 5 short list	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
41	GE1-65_0.0-2.0	8.4.25	1045	SOIL	5																						
42	GE1-65_2.0-4.0		1050		5			(X)	O	(X)				O													(X)
43	GE1-65_4.0-6.0		1055		5			X	X	X				X						X							X
44	GE1-65_6.0-8.0		1100		5																						
45	GE1-65_8.0-10.0		1105		5																						
46	GE1-65_10.0-12.0		1110		5																						
47	GE1-65_12.0-14.0		1115		5																						
48	GE1-65_14.0-16.0		1120		5																						
49	GE1-65_16.0-18.0		1125		5																						
80	GE1-65_18.0-20.0		1130		5																						

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		GE1	10.22.24	1020	
Received		OSE	10/22/25	1020	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard ☐ Level III ☐ Level IV ☐
					Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 547-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 *Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
51	GEI-66-0.0-2.0	8.21.25	0940	SOIL	5																						
52	GEI-66-2.0-4.0		0945					X	O	X				O													X
53	GEI-66-4.0-6.0		0950					X	O	X				O													X
54	GEI-66-6.0-8.0		0955																								
55	GEI-66-8.0-10.0		1000																								
56	GEI-66-14.0-16.0		1015																								
57	GEI-66-16.0-18.0		1020																								
58	GEI-66-18.0-20.0		1025																								
59	GEI-DUP4	8.20.25	0000					X	X	X				X							X						X
60	GEI-DUP5	1	0700																								

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		GEI	8.22.25	1024	
Received		OSE	8/22/25	1024	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard ☐ Level III ☐ Level IV ☐
					Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260 X Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture
01	GEI-DUP6	8.22.25	0800	SOIL	5			X	X	X				X						X			X

	Signature	Company	Date	Time
Relinquished		GEI	8.22.25	1025
Received		CORE	8.22.25	1025
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: GE

Client Project Name/Number: 5147-024-14

OnSite Project Number: 08-279

Initiated by: MV

Date Initiated: 8/22/25

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	6, 4, 5, 6, 5
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	(No)		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	(Yes)	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

2 4) # 3) 1205 on vial

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

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

September 5, 2025

Brian Tracy
GeoEngineers, Inc.
2101 4th Avenue, Suite 950
Seattle, WA 98121

Re: Analytical Data for Project 5147-024-14
Laboratory Reference No. 2508-279

Dear Brian:

Enclosed are the analytical results and associated quality control data for samples submitted on August 22, 2025.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

Case Narrative

Samples were collected on August 20 and 21, 2025 and received by the laboratory on August 22, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

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

Total Metals EPA 6010D/7471B Analysis

The duplicate RPD for Chromium is outside control limits due to sample inhomogeneity.

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

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
GEI-61_2.0-4.0	08-279-02	Soil	8-20-25	8-22-25	
GEI-61_4.0-6.0	08-279-03	Soil	8-20-25	8-22-25	
GEI-61_10.0-12.0	08-279-06	Soil	8-20-25	8-22-25	
GEI-61_14.0-16.0	08-279-08	Soil	8-20-25	8-22-25	
GEI-62_2.0-4.0	08-279-12	Soil	8-20-25	8-22-25	
GEI-62_4.0-6.0	08-279-13	Soil	8-20-25	8-22-25	
GEI-62_8.0-10.0	08-279-15	Soil	8-20-25	8-22-25	
GEI-63_2.0-4.0	08-279-22	Soil	8-20-25	8-22-25	
GEI-63_6.0-8.0	08-279-24	Soil	8-20-25	8-22-25	
GEI-63_12.0-14.0	08-279-27	Soil	8-20-25	8-22-25	
GEI-64_4.0-6.0	08-279-33	Soil	8-20-25	8-22-25	
GEI-64_8.0-10.0	08-279-35	Soil	8-20-25	8-22-25	
GEI-65_2.0-4.0	08-279-42	Soil	8-21-25	8-22-25	
GEI-65_4.0-6.0	08-279-43	Soil	8-21-25	8-22-25	
GEI-66_2.0-4.0	08-279-52	Soil	8-21-25	8-22-25	
GEI-66_4.0-6.0	08-279-53	Soil	8-21-25	8-22-25	
GEI-DUP4	08-279-59	Soil	8-20-25	8-22-25	
GEI-DUP6	08-279-61	Soil	8-20-25	8-22-25	

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_2.0-4.0**					
Laboratory ID:	08-279-02					
Gasoline	**ND**	8.1	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*63-127*				
Client ID:	**GEI-61_4.0-6.0**					
Laboratory ID:	08-279-03					
Gasoline	**ND**	7.1	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*108*	*63-127*				
Client ID:	**GEI-61_10.0-12.0**					
Laboratory ID:	08-279-06					
Gasoline	**ND**	5.9	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*120*	*63-127*				
Client ID:	**GEI-61_14.0-16.0**					
Laboratory ID:	08-279-08					
Gasoline	**ND**	6.6	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*114*	*63-127*				
Client ID:	**GEI-63_2.0-4.0**					
Laboratory ID:	08-279-22					
Gasoline Range Organics	**1200**	69	NWTPH-Gx	8-25-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*112*	*63-127*				
Client ID:	**GEI-63_6.0-8.0**					
Laboratory ID:	08-279-24					
Gasoline	**ND**	7.3	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*109*	*63-127*				
Client ID:	**GEI-63_12.0-14.0**					
Laboratory ID:	08-279-27					
Gasoline	**ND**	6.3	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*63-127*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-64_4.0-6.0**					
Laboratory ID:	08-279-33					
Gasoline Range Organics	**80**	8.4	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*63-127*				
Client ID:	**GEI-65_4.0-6.0**					
Laboratory ID:	08-279-43					
Gasoline	**ND**	6.9	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*108*	*63-127*				
Client ID:	**GEI-DUP4**					
Laboratory ID:	08-279-59					
Gasoline	**ND**	9.0	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*63-127*				
Client ID:	**GEI-DUP6**					
Laboratory ID:	08-279-61					
Gasoline	**ND**	6.0	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*117*	*63-127*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_2.0-4.0**					
Laboratory ID:	08-279-02					
Diesel Range Organics	**2100**	160	NWTPH-Dx	8-26-25	8-27-25	
Lube Oil	**3300**	320	NWTPH-Dx	8-26-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				
Client ID:	**GEI-61_4.0-6.0**					
Laboratory ID:	08-279-03					
Diesel Range Organics	**ND**	30	NWTPH-Dx	8-26-25	8-26-25	
Lube Oil Range Organics	**ND**	60	NWTPH-Dx	8-26-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*65*	*50-150*				
Client ID:	**GEI-61_10.0-12.0**					
Laboratory ID:	08-279-06					
Diesel Range Organics	**ND**	29	NWTPH-Dx	8-26-25	8-27-25	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	8-26-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*76*	*50-150*				
Client ID:	**GEI-61_14.0-16.0**					
Laboratory ID:	08-279-08					
Diesel Range Organics	**ND**	31	NWTPH-Dx	8-26-25	8-27-25	
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	8-26-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**GEI-63_2.0-4.0**					
Laboratory ID:	08-279-22					
Diesel Fuel #2	**11000**	140	NWTPH-Dx	8-26-25	8-27-25	
Lube Oil	**1700**	290	NWTPH-Dx	8-26-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				
Client ID:	**GEI-63_6.0-8.0**					
Laboratory ID:	08-279-24					
Diesel Fuel #2	**45**	31	NWTPH-Dx	8-26-25	8-26-25	
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	8-26-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_12.0-14.0**					
Laboratory ID:	08-279-27					
Diesel Range Organics	**ND**	31	NWTPH-Dx	8-26-25	8-26-25	
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	8-26-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*63*	*50-150*				
Client ID:	**GEI-64_4.0-6.0**					
Laboratory ID:	08-279-33					
Diesel Fuel #2	**32**	31	NWTPH-Dx	8-26-25	8-26-25	N
Lube Oil	**260**	63	NWTPH-Dx	8-26-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*67*	*50-150*				
Client ID:	**GEI-65_4.0-6.0**					
Laboratory ID:	08-279-43					
Diesel Range Organics	**ND**	30	NWTPH-Dx	8-26-25	8-26-25	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	8-26-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*66*	*50-150*				
Client ID:	**GEI-DUP4**					
Laboratory ID:	08-279-59					
Diesel Range Organics	**49**	34	NWTPH-Dx	8-26-25	8-27-25	
Lube Oil	**160**	69	NWTPH-Dx	8-26-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*68*	*50-150*				
Client ID:	**GEI-DUP6**					
Laboratory ID:	08-279-61					
Diesel Range Organics	**ND**	31	NWTPH-Dx	8-26-25	8-26-25	
Lube Oil Range Organics	**ND**	61	NWTPH-Dx	8-26-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*61*	*50-150*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_2.0-4.0**					
Laboratory ID:	08-279-02					
Methyl t-Butyl Ether	ND	0.0014	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0069	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.0014	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00069	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0069	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00069	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.0014	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0027	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.0014	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*75-129*				
Toluene-d8	*95*	*80-118*				
4-Bromofluorobenzene	*80*	*79-123*				
Client ID:	**GEI-61_4.0-6.0**					
Laboratory ID:	08-279-03					
Methyl t-Butyl Ether	ND	0.00091	EPA 8260D	8-25-25	8-25-25	
n-Hexane	0.020	0.0045	EPA 8260D	8-25-25	8-25-25	
Benzene	0.0087	0.00091	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00045	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0045	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00045	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.00091	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	0.0018	0.0018	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.00091	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-129*				
Toluene-d8	*105*	*80-118*				
4-Bromofluorobenzene	*101*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_10.0-12.0**					
Laboratory ID:	08-279-06					
Methyl t-Butyl Ether	ND	0.00088	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0044	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.00088	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00044	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0044	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00044	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.00088	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0018	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.00088	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*99*	*79-123*				
Client ID:	**GEI-61_14.0-16.0**					
Laboratory ID:	08-279-08					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0051	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00051	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0051	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00051	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0020	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*98*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_2.0-4.0**					
Laboratory ID:	08-279-22					
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0059	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.0012	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00059	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0059	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00059	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	0.019	0.0012	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	0.011	0.0024	EPA 8260D	8-25-25	8-25-25	
o-Xylene	0.014	0.0012	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-129*				
Toluene-d8	*94*	*80-118*				
4-Bromofluorobenzene	*103*	*79-123*				

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_6.0-8.0**					
Laboratory ID:	08-279-24					
Methyl t-Butyl Ether	ND	0.00095	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0048	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.00095	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00048	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0048	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00048	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.00095	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0019	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.00095	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*101*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_12.0-14.0**					
Laboratory ID:	08-279-27					
Methyl t-Butyl Ether	ND	0.00099	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0049	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.00099	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00049	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0049	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00049	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.00099	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0020	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.00099	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-129*				
Toluene-d8	*101*	*80-118*				
4-Bromofluorobenzene	*102*	*79-123*				
Client ID:	**GEI-64_4.0-6.0**					
Laboratory ID:	08-279-33					
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	8-25-25	8-25-25	
n-Hexane	0.40	0.0056	EPA 8260D	8-25-25	8-25-25	
Benzene	0.055	0.0011	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00056	EPA 8260D	8-25-25	8-25-25	
Toluene	0.014	0.0056	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00056	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	0.0055	0.0011	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	0.032	0.0022	EPA 8260D	8-25-25	8-25-25	
o-Xylene	0.011	0.0011	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-129*				
Toluene-d8	*116*	*80-118*				
4-Bromofluorobenzene	*95*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-65_4.0-6.0**					
Laboratory ID:	08-279-43					
Methyl t-Butyl Ether	ND	0.00094	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0047	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.00094	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00047	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0047	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00047	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.00094	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0019	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.00094	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*100*	*79-123*				
Client ID:	**GEI-DUP4**					
Laboratory ID:	08-279-59					
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	8-25-25	8-25-25	
n-Hexane	0.056	0.0073	EPA 8260D	8-25-25	8-25-25	
Benzene	0.066	0.0015	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00073	EPA 8260D	8-25-25	8-25-25	
Toluene	0.0099	0.0073	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00073	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	0.0034	0.0015	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	0.016	0.0029	EPA 8260D	8-25-25	8-25-25	
o-Xylene	0.0089	0.0015	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*109*	*75-129*				
Toluene-d8	*104*	*80-118*				
4-Bromofluorobenzene	*87*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-DUP6**					
Laboratory ID:	08-279-61					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0051	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00051	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0051	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00051	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0020	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-129*				
Toluene-d8	*101*	*80-118*				
4-Bromofluorobenzene	*101*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_2.0-4.0**					
Laboratory ID:	08-279-02					
Naphthalene	**0.21**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
2-Methylnaphthalene	**0.26**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
1-Methylnaphthalene	**0.18**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Acenaphthylene	**0.30**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Acenaphthene	**ND**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Fluorene	**ND**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Phenanthrene	**0.37**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Anthracene	**0.22**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Fluoranthene	**0.44**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Pyrene	**0.52**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Benzo[a]anthracene	**0.27**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Chrysene	**0.36**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Benzo[b]fluoranthene	**0.49**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Benzo(j,k)fluoranthene	**0.34**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Benzo[a]pyrene	**0.47**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Indeno(1,2,3-c,d)pyrene	**0.54**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Dibenz[a,h]anthracene	**ND**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Benzo[g,h,i]perylene	**0.74**	0.084	EPA 8270E/SIM	8-25-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*113*	*49-135*				
Pyrene-d10	*107*	*57-135*				
Terphenyl-d14	*120*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_4.0-6.0**					
Laboratory ID:	08-279-03					
Naphthalene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**0.013**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**0.015**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0080	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*122*	*49-135*				
Pyrene-d10	*124*	*57-135*				
Terphenyl-d14	*120*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_10.0-12.0**					
Laboratory ID:	08-279-06					
Naphthalene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**0.040**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**0.029**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0078	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*118*	*49-135*				
Pyrene-d10	*124*	*57-135*				
Terphenyl-d14	*116*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_14.0-16.0**					
Laboratory ID:	08-279-08					
Naphthalene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**0.032**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**0.023**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0083	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*116*	*49-135*				
Pyrene-d10	*113*	*57-135*				
Terphenyl-d14	*111*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_2.0-4.0**					
Laboratory ID:	08-279-22					
Naphthalene	**1.0**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
2-Methylnaphthalene	**48**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
1-Methylnaphthalene	**40**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Acenaphthylene	**0.96**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Acenaphthene	**4.1**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Fluorene	**6.7**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Phenanthrene	**24**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Anthracene	**3.9**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Fluoranthene	**ND**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Pyrene	**ND**	0.77	EPA 8270E/SIM	8-25-25	8-29-25	
Benzo[a]anthracene	**0.099**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Chrysene	**0.12**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo[b]fluoranthene	**0.12**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo(j,k)fluoranthene	**0.036**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo[a]pyrene	**0.10**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Indeno(1,2,3-c,d)pyrene	**0.060**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Dibenz[a,h]anthracene	**0.013**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo[g,h,i]perylene	**0.071**	0.0077	EPA 8270E/SIM	8-25-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	---	*49-135*				S
Pyrene-d10	---	*57-135*				S
Terphenyl-d14	---	*58-135*				S

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_6.0-8.0**					
Laboratory ID:	08-279-24					
Naphthalene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**0.074**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**0.059**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**0.023**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*119*	*49-135*				
Pyrene-d10	*118*	*57-135*				
Terphenyl-d14	*117*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_12.0-14.0**					
Laboratory ID:	08-279-27					
Naphthalene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*112*	*49-135*				
Pyrene-d10	*112*	*57-135*				
Terphenyl-d14	*109*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-64_4.0-6.0**					
Laboratory ID:	08-279-33					
Naphthalene	**0.029**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**0.034**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**0.033**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0084	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*119*	*49-135*				
Pyrene-d10	*118*	*57-135*				
Terphenyl-d14	*120*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-65_4.0-6.0**					
Laboratory ID:	08-279-43					
Naphthalene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**0.021**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**0.015**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*123*	*49-135*				
Pyrene-d10	*123*	*57-135*				
Terphenyl-d14	*118*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-DUP4**					
Laboratory ID:	08-279-59					
Naphthalene	**0.15**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
2-Methylnaphthalene	**0.10**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
1-Methylnaphthalene	**0.064**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Acenaphthylene	**0.11**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Acenaphthene	**ND**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Fluorene	**ND**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Phenanthrene	**0.14**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Anthracene	**0.070**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Fluoranthene	**0.13**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Pyrene	**0.15**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo[a]anthracene	**0.071**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Chrysene	**0.096**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo[b]fluoranthene	**0.20**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo(j,k)fluoranthene	**0.051**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo[a]pyrene	**0.15**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Indeno(1,2,3-c,d)pyrene	**0.18**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Dibenz[a,h]anthracene	**ND**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Benzo[g,h,i]perylene	**0.23**	0.046	EPA 8270E/SIM	8-25-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*115*	*49-135*				
Pyrene-d10	*125*	*57-135*				
Terphenyl-d14	*130*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-DUP6**					
Laboratory ID:	08-279-61					
Naphthalene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
2-Methylnaphthalene	**0.014**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
1-Methylnaphthalene	**0.0095**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthylene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Acenaphthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Fluorene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Phenanthrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Chrysene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[b]fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo(j,k)fluoranthene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[a]pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Dibenz[a,h]anthracene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Benzo[g,h,i]perylene	**ND**	0.0082	EPA 8270E/SIM	8-25-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*108*	*49-135*				
Pyrene-d10	*110*	*57-135*				
Terphenyl-d14	*109*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-61_2.0-4.0**					
Laboratory ID:	08-279-02					
Arsenic	**ND**	13	EPA 6010D	8-28-25	8-28-25	
Cadmium	**1.9**	0.63	EPA 6010D	8-28-25	8-28-25	
Chromium	**33**	0.63	EPA 6010D	8-28-25	8-28-25	
Lead	**320**	6.3	EPA 6010D	8-28-25	8-28-25	
Mercury	**0.31**	0.063	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-61_4.0-6.0**					
Laboratory ID:	08-279-03					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.60	EPA 6010D	8-28-25	8-28-25	
Chromium	**36**	0.60	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	6.0	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.060	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-61_10.0-12.0**					
Laboratory ID:	08-279-06					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.58	EPA 6010D	8-28-25	8-28-25	
Chromium	**26**	0.58	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	5.8	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.058	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-61_14.0-16.0**					
Laboratory ID:	08-279-08					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.62	EPA 6010D	8-28-25	8-28-25	
Chromium	**34**	0.62	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	6.2	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.062	EPA 7471B	8-28-25	8-28-25	

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-63_2.0-4.0**					
Laboratory ID:	08-279-22					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.58	EPA 6010D	8-28-25	8-28-25	
Chromium	**17**	0.58	EPA 6010D	8-28-25	8-28-25	
Lead	**8.8**	5.8	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.058	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-63_6.0-8.0**					
Laboratory ID:	08-279-24					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.62	EPA 6010D	8-28-25	8-28-25	
Chromium	**33**	0.62	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	6.2	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.062	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-63_12.0-14.0**					
Laboratory ID:	08-279-27					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.61	EPA 6010D	8-28-25	8-28-25	
Chromium	**17**	0.61	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	6.1	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.061	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-64_4.0-6.0**					
Laboratory ID:	08-279-33					
Arsenic	**ND**	13	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.63	EPA 6010D	8-28-25	8-28-25	
Chromium	**32**	0.63	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	6.3	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.063	EPA 7471B	8-28-25	8-28-25	

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-65_4.0-6.0**					
Laboratory ID:	08-279-43					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.59	EPA 6010D	8-28-25	8-28-25	
Chromium	**23**	0.59	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	5.9	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.059	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-DUP4**					
Laboratory ID:	08-279-59					
Arsenic	**ND**	14	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.69	EPA 6010D	8-28-25	8-28-25	
Chromium	**34**	0.69	EPA 6010D	8-28-25	8-28-25	
Lead	**80**	6.9	EPA 6010D	8-28-25	8-28-25	
Mercury	**0.14**	0.069	EPA 7471B	8-28-25	8-28-25	
Client ID:	**GEI-DUP6**					
Laboratory ID:	08-279-61					
Arsenic	**ND**	12	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.61	EPA 6010D	8-28-25	8-28-25	
Chromium	**16**	0.61	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	6.1	EPA 6010D	8-28-25	8-28-25	
Mercury	**ND**	0.061	EPA 7471B	8-28-25	8-28-25	

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_2.0-4.0**					
Laboratory ID:	08-279-12					
Gasoline	**ND**	7.3	NWTPH-Gx	8-28-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*110*	*63-127*				
Client ID:	**GEI-62_4.0-6.0**					
Laboratory ID:	08-279-13					
Gasoline	**ND**	6.7	NWTPH-Gx	8-28-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*63-127*				
Client ID:	**GEI-62_8.0-10.0**					
Laboratory ID:	08-279-15					
Gasoline	**ND**	5.2	NWTPH-Gx	8-28-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*63-127*				
Client ID:	**GEI-64_8.0-10.0**					
Laboratory ID:	08-279-35					
Gasoline	**ND**	6.1	NWTPH-Gx	8-28-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*112*	*63-127*				
Client ID:	**GEI-65_2.0-4.0**					
Laboratory ID:	08-279-42					
Gasoline Range Organics	**66**	6.5	NWTPH-Gx	8-28-25	8-28-25	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*111*	*63-127*				
Client ID:	**GEI-66_2.0-4.0**					
Laboratory ID:	08-279-52					
Gasoline	**ND**	7.1	NWTPH-Gx	8-28-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*108*	*63-127*				
Client ID:	**GEI-66_4.0-6.0**					
Laboratory ID:	08-279-53					
Gasoline	**ND**	6.5	NWTPH-Gx	8-28-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*112*	*63-127*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_2.0-4.0**					
Laboratory ID:	08-279-12					
Methyl t-Butyl Ether	ND	0.0012	EPA 8260D	8-29-25	8-29-25	
n-Hexane	0.010	0.0059	EPA 8260D	8-29-25	8-29-25	
Benzene	ND	0.0012	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00059	EPA 8260D	8-29-25	8-29-25	
Toluene	ND	0.0059	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00059	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	ND	0.0012	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	ND	0.0024	EPA 8260D	8-29-25	8-29-25	
o-Xylene	ND	0.0012	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-129*				
Toluene-d8	*104*	*80-118*				
4-Bromofluorobenzene	*99*	*79-123*				
Client ID:	**GEI-62_4.0-6.0**					
Laboratory ID:	08-279-13					
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
n-Hexane	0.0068	0.0055	EPA 8260D	8-29-25	8-29-25	
Benzene	0.0018	0.0011	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00055	EPA 8260D	8-29-25	8-29-25	
Toluene	0.0061	0.0055	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00055	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	0.0014	0.0011	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	0.0059	0.0022	EPA 8260D	8-29-25	8-29-25	
o-Xylene	0.0025	0.0011	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-129*				
Toluene-d8	*104*	*80-118*				
4-Bromofluorobenzene	*92*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_8.0-10.0**					
Laboratory ID:	08-279-15					
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
n-Hexane	ND	0.0054	EPA 8260D	8-29-25	8-29-25	
Benzene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00054	EPA 8260D	8-29-25	8-29-25	
Toluene	ND	0.0054	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00054	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	ND	0.0021	EPA 8260D	8-29-25	8-29-25	
o-Xylene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*102*	*79-123*				
Client ID:	**GEI-64_8.0-10.0**					
Laboratory ID:	08-279-35					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
n-Hexane	ND	0.0051	EPA 8260D	8-29-25	8-29-25	
Benzene	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00051	EPA 8260D	8-29-25	8-29-25	
Toluene	ND	0.0051	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00051	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	ND	0.0020	EPA 8260D	8-29-25	8-29-25	
o-Xylene	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-129*				
Toluene-d8	*97*	*80-118*				
4-Bromofluorobenzene	*98*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-65_2.0-4.0**					
Laboratory ID:	08-279-42					
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
n-Hexane	0.051	0.0057	EPA 8260D	8-29-25	8-29-25	
Benzene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00057	EPA 8260D	8-29-25	8-29-25	
Toluene	ND	0.0057	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00057	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	ND	0.0023	EPA 8260D	8-29-25	8-29-25	
o-Xylene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-129*				
Toluene-d8	*109*	*80-118*				
4-Bromofluorobenzene	*95*	*79-123*				
Client ID:	**GEI-66_2.0-4.0**					
Laboratory ID:	08-279-52					
Methyl t-Butyl Ether	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
n-Hexane	ND	0.0055	EPA 8260D	8-29-25	8-29-25	
Benzene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00055	EPA 8260D	8-29-25	8-29-25	
Toluene	ND	0.0055	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00055	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	ND	0.0022	EPA 8260D	8-29-25	8-29-25	
o-Xylene	ND	0.0011	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-129*				
Toluene-d8	*101*	*80-118*				
4-Bromofluorobenzene	*96*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-66_4.0-6.0**					
Laboratory ID:	08-279-53					
Methyl t-Butyl Ether	ND	0.0015	EPA 8260D	8-29-25	8-29-25	
n-Hexane	ND	0.0077	EPA 8260D	8-29-25	8-29-25	
Benzene	ND	0.0015	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00077	EPA 8260D	8-29-25	8-29-25	
Toluene	ND	0.0077	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00077	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	ND	0.0015	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	ND	0.0031	EPA 8260D	8-29-25	8-29-25	
o-Xylene	ND	0.0015	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*100*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_2.0-4.0**					
Laboratory ID:	08-279-12					
Diesel Range Organics	**57**	31	NWTPH-Dx	9-3-25	9-3-25	
Lube Oil	**230**	63	NWTPH-Dx	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*69*	*50-150*				
Client ID:	**GEI-62_4.0-6.0**					
Laboratory ID:	08-279-13					
Diesel Range Organics	**ND**	31	NWTPH-Dx	9-3-25	9-3-25	
Lube Oil	**80**	62	NWTPH-Dx	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*72*	*50-150*				
Client ID:	**GEI-62_8.0-10.0**					
Laboratory ID:	08-279-15					
Diesel Range Organics	**ND**	29	NWTPH-Dx	9-3-25	9-3-25	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**GEI-64_8.0-10.0**					
Laboratory ID:	08-279-35					
Diesel Range Organics	**ND**	29	NWTPH-Dx	9-3-25	9-3-25	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*78*	*50-150*				
Client ID:	**GEI-65_2.0-4.0**					
Laboratory ID:	08-279-42					
Diesel Fuel #2	**1200**	31	NWTPH-Dx	9-3-25	9-3-25	
Lube Oil Range Organics	**150**	62	NWTPH-Dx	9-3-25	9-3-25	N1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				
Client ID:	**GEI-66_2.0-4.0**					
Laboratory ID:	08-279-52					
Diesel Range Organics	**ND**	31	NWTPH-Dx	9-3-25	9-3-25	U1
Lube Oil	**260**	61	NWTPH-Dx	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-66_4.0-6.0**					
Laboratory ID:	08-279-53					
Diesel Range Organics	**ND**	31	NWTPH-Dx	9-3-25	9-3-25	
Lube Oil	**95**	61	NWTPH-Dx	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*72*	*50-150*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_2.0-4.0**					
Laboratory ID:	08-279-12					
Naphthalene	**0.014**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**0.027**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluorene	**0.011**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**0.11**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**0.036**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**0.20**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**0.22**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**0.097**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**0.092**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**0.10**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**0.029**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**0.10**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**0.057**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**0.014**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**0.067**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*88*	*49-135*				
Pyrene-d10	*94*	*57-135*				
Terphenyl-d14	*90*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_4.0-6.0**					
Laboratory ID:	08-279-13					
Naphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**0.072**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**0.012**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluorene	**0.042**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**0.42**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**0.12**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**0.50**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**0.58**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**0.22**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**0.20**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**0.21**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**0.058**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**0.21**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**0.11**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**0.026**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**0.13**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*84*	*49-135*				
Pyrene-d10	*92*	*57-135*				
Terphenyl-d14	*91*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-62_8.0-10.0**					
Laboratory ID:	08-279-15					
Naphthalene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Fluorene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*49-135*				
Pyrene-d10	*87*	*57-135*				
Terphenyl-d14	*87*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-64_8.0-10.0**					
Laboratory ID:	08-279-35					
Naphthalene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Fluorene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**ND**	0.0078	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*80*	*49-135*				
Pyrene-d10	*86*	*57-135*				
Terphenyl-d14	*86*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-65_2.0-4.0**					
Laboratory ID:	08-279-42					
Naphthalene	**ND**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**ND**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**0.0085**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**0.032**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**ND**	0.012	EPA 8270E/SIM	9-3-25	9-3-25	U1
Fluorene	**ND**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**0.053**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**ND**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**0.045**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**0.049**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**0.021**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**0.028**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**0.032**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**0.0091**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**0.029**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**0.020**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**ND**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**0.022**	0.0082	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*74*	*49-135*				
Pyrene-d10	*71*	*57-135*				
Terphenyl-d14	*89*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-66_2.0-4.0**					
Laboratory ID:	08-279-52					
Naphthalene	**0.088**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**0.047**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**0.049**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**0.34**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**0.065**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluorene	**0.17**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**1.6**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**0.46**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**1.8**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**2.2**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**0.78**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**0.79**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**0.73**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**0.31**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**0.77**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**0.43**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**0.11**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**0.47**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*77*	*49-135*				
Pyrene-d10	*93*	*57-135*				
Terphenyl-d14	*93*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GEI-66_4.0-6.0**					
Laboratory ID:	08-279-53					
Naphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluorene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*91*	*49-135*				
Pyrene-d10	*97*	*57-135*				
Terphenyl-d14	*95*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

GASOLINE RANGE ORGANICS
NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0825S1					
Gasoline	**ND**	5.0	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*63-127*				
Laboratory ID:	MB0825S2					
Gasoline	**ND**	5.0	NWTPH-Gx	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*63-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	08-279-27									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						*95* *113*	*63-127*			
Laboratory ID:	08-258-01									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA		NA	NA	NA	30	
Surrogate:										
Fluorobenzene						*107* *110*	*63-127*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

GASOLINE RANGE ORGANICS
NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD0825G-1	5.00	5.16	-3	+/- 20%
CCVD0825G-2	5.00	5.11	-2	+/- 20%
CCVD0826G-1	5.00	5.35	-7	+/- 20%
CCVD0826G-2	5.00	5.22	-4	+/- 20%

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0826S3					
Diesel Range Organics	**ND**	25	NWTPH-Dx	8-26-25	8-27-25	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	8-26-25	8-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*78*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-279-03										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	40	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	40	
Surrogate:											
o-Terphenyl						*65*	*69*	*50-150*			
Laboratory ID:	08-281-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	40	
Lube Oil	**175**	**166**	NA	NA		NA		NA	5	40	
Surrogate:											
o-Terphenyl						*69*	*67*	*50-150*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0826F-T3	100	104.0	-4.0	+/-15%
CCV0826F-T4	100	103.7	-3.7	+/-15%
CCV0826R-T4	100	104.0	-4.0	+/-15%
CCV0826R-T5	100	107.6	-7.6	+/-15%
CCV0826F-V2	100	103.4	-3.4	+/-15%
CCV0826F-V3	100	105.6	-5.6	+/-15%
CCV0827F-V1	100	103.5	-3.5	+/-15%
CCV0827F-V2	100	103.3	-3.3	+/-15%
CCV0826R-V2	100	107.0	-7.0	+/-15%
CCV0826R-V3	100	111.6	-11.6	+/-15%
CCV0826R-V4	100	110.8	-10.8	+/-15%

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0825S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
n-Hexane	ND	0.0050	EPA 8260D	8-25-25	8-25-25	
Benzene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
1,2-Dichloroethane	ND	0.00050	EPA 8260D	8-25-25	8-25-25	
Toluene	ND	0.0050	EPA 8260D	8-25-25	8-25-25	
1,2-Dibromoethane	ND	0.00050	EPA 8260D	8-25-25	8-25-25	
Ethylbenzene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
m,p-Xylene	ND	0.0020	EPA 8260D	8-25-25	8-25-25	
o-Xylene	ND	0.0010	EPA 8260D	8-25-25	8-25-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*97*	*79-123*				
Laboratory ID:	MB0826S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	8-26-25	8-26-25	
Benzene	ND	0.0010	EPA 8260D	8-26-25	8-26-25	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	8-26-25	8-26-25	
Toluene	ND	0.0050	EPA 8260D	8-26-25	8-26-25	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	8-26-25	8-26-25	
Ethylbenzene	ND	0.0010	EPA 8260D	8-26-25	8-26-25	
m,p-Xylene	ND	0.0020	EPA 8260D	8-26-25	8-26-25	
o-Xylene	ND	0.0010	EPA 8260D	8-26-25	8-26-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-129*				
Toluene-d8	*99*	*80-118*				
4-Bromofluorobenzene	*100*	*79-123*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0825S1									
	SB	SBD	SB	SBD	SB	SBD				
Methyl t-Butyl Ether	**0.0512**	**0.0516**	0.0500	0.0500	102	103	76-131	1	15	
Benzene	**0.0494**	**0.0491**	0.0500	0.0500	99	98	79-127	1	15	
1,2-Dichloroethane	**0.0508**	**0.0515**	0.0500	0.0500	102	103	80-130	1	15	
Toluene	**0.0518**	**0.0522**	0.0500	0.0500	104	104	79-125	1	15	
1,2-Dibromoethane	**0.0488**	**0.0505**	0.0500	0.0500	98	101	80-132	3	15	
Ethylbenzene	**0.0540**	**0.0545**	0.0500	0.0500	108	109	80-126	1	15	
m,p-Xylene	**0.111**	**0.112**	0.100	0.100	111	112	80-126	1	15	
o-Xylene	**0.0527**	**0.0538**	0.0500	0.0500	105	108	80-126	2	15	
Surrogate:										
Dibromofluoromethane					*103*	*103*	*75-129*			
Toluene-d8					*102*	*101*	*80-118*			
4-Bromofluorobenzene					*100*	*102*	*79-123*			
Laboratory ID:	SB0826S1									
	SB	SBD	SB	SBD	SB	SBD				
Methyl t-Butyl Ether	**0.0403**	**0.0436**	0.0500	0.0500	81	87	76-131	8	15	
Benzene	**0.0443**	**0.0450**	0.0500	0.0500	89	90	79-127	2	15	
1,2-Dichloroethane	**0.0449**	**0.0465**	0.0500	0.0500	90	93	80-130	4	15	
Toluene	**0.0477**	**0.0490**	0.0500	0.0500	95	98	79-125	3	15	
1,2-Dibromoethane	**0.0428**	**0.0465**	0.0500	0.0500	86	93	80-132	8	15	
Ethylbenzene	**0.0487**	**0.0501**	0.0500	0.0500	97	100	80-126	3	15	
m,p-Xylene	**0.100**	**0.103**	0.100	0.100	100	103	80-126	3	15	
o-Xylene	**0.0484**	**0.0490**	0.0500	0.0500	97	98	80-126	1	15	
Surrogate:										
Dibromofluoromethane					*102*	*103*	*75-129*			
Toluene-d8					*101*	*101*	*80-118*			
4-Bromofluorobenzene					*102*	*102*	*79-123*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0825S2					
Naphthalene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Acenaphthylene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Acenaphthene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Fluorene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Phenanthrene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Anthracene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Fluoranthene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Pyrene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Chrysene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270E/SIM	8-25-25	9-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*114*	*49-135*				
Pyrene-d10	*121*	*57-135*				
Terphenyl-d14	*120*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0825S2									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0707**	**0.0734**	0.0833	0.0833	85	88	63-109	4	15	
Acenaphthylene	**0.0779**	**0.0825**	0.0833	0.0833	94	99	67-113	6	15	
Acenaphthene	**0.0767**	**0.0803**	0.0833	0.0833	92	96	68-109	5	15	
Fluorene	**0.0781**	**0.0810**	0.0833	0.0833	94	97	68-111	4	15	
Phenanthrene	**0.0757**	**0.0786**	0.0833	0.0833	91	94	64-112	4	15	
Anthracene	**0.0816**	**0.0832**	0.0833	0.0833	98	100	71-128	2	15	
Fluoranthene	**0.0795**	**0.0836**	0.0833	0.0833	95	100	71-117	5	22	
Pyrene	**0.0777**	**0.0804**	0.0833	0.0833	93	97	72-115	3	18	
Benzo[a]anthracene	**0.0778**	**0.0797**	0.0833	0.0833	93	96	65-126	2	15	
Chrysene	**0.0737**	**0.0757**	0.0833	0.0833	88	91	69-119	3	15	
Benzo[b]fluoranthene	**0.0718**	**0.0737**	0.0833	0.0833	86	88	65-122	3	17	
Benzo(j,k)fluoranthene	**0.0780**	**0.0797**	0.0833	0.0833	94	96	69-120	2	16	
Benzo[a]pyrene	**0.0770**	**0.0789**	0.0833	0.0833	92	95	70-120	2	15	
Indeno(1,2,3-c,d)pyrene	**0.0789**	**0.0812**	0.0833	0.0833	95	97	65-123	3	15	
Dibenz[a,h]anthracene	**0.0806**	**0.0829**	0.0833	0.0833	97	100	71-117	3	15	
Benzo[g,h,i]perylene	**0.0793**	**0.0813**	0.0833	0.0833	95	98	71-116	2	15	
Surrogate:										
2-Fluorobiphenyl					*85*	*89*	*49-135*			
Pyrene-d10					*93*	*99*	*57-135*			
Terphenyl-d14					*103*	*106*	*58-135*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0828SM1					
Arsenic	**ND**	10	EPA 6010D	8-28-25	8-28-25	
Cadmium	**ND**	0.50	EPA 6010D	8-28-25	8-28-25	
Chromium	**ND**	0.50	EPA 6010D	8-28-25	8-28-25	
Lead	**ND**	5.0	EPA 6010D	8-28-25	8-28-25	
Laboratory ID:	MB0828S2					
Mercury	**ND**	0.050	EPA 7471B	8-28-25	8-28-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-279-02										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Cadmium	**1.51**	**1.43**	NA	NA		NA		NA	6	20	
Chromium	**26.6**	**21.1**	NA	NA		NA		NA	23	20	
Lead	**256**	**253**	NA	NA		NA		NA	1	20	
Laboratory ID:	08-279-02										
Mercury	**0.244**	**0.260**	NA	NA		NA		NA	6	20	
MATRIX SPIKES											
Laboratory ID:	08-279-02										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**97.8**	**99.5**	100	100	ND	**98**	**100**	75-125	2	20	
Cadmium	**54.1**	**55.5**	50.0	50.0	1.51	**105**	**108**	75-125	3	20	
Chromium	**120**	**120**	100	100	26.6	**93**	**93**	75-125	0	20	
Lead	**475**	**464**	250	250	256	**88**	**84**	75-125	2	20	
Laboratory ID:	08-279-02										
Mercury	**0.677**	**0.724**	0.500	0.500	0.244	**87**	**96**	80-120	7	20	

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	ICV082825B	1.00	1.02	-2.0	+/- 10%
Cadmium	ICV082825B	1.00	1.10	-10	+/- 10%
Chromium	ICV082825B	1.00	1.02	-2.0	+/- 10%
Lead	ICV082825B	1.00	1.02	-2.0	+/- 10%
Mercury	ICV082825I	0.00500	0.00492	1.6	+/- 10%
Arsenic	LLV070725B	0.0500	0.0518	-3.6	+/- 20%
Cadmium	LLV070725B	0.00500	0.00503	-0.60	+/- 20%
Chromium	LLV070725B	0.0100	0.0116	-16	+/- 20%
Lead	LLV070725B	0.100	0.0999	0.10	+/- 20%
Arsenic	CCV1082825B	5.00	5.18	-3.6	+/- 10%
Cadmium	CCV1082825B	0.500	0.505	-1.0	+/- 10%
Chromium	CCV1082825B	1.00	1.03	-3.0	+/- 10%
Lead	CCV1082825B	10.0	10.2	-2.0	+/- 10%
Mercury	CCV1082825I	0.00500	0.00505	-1.0	+/- 20%
Arsenic	CCV2082825B	5.00	4.91	1.8	+/- 10%
Cadmium	CCV2082825B	0.500	0.541	-8.2	+/- 10%
Chromium	CCV2082825B	1.00	1.01	-1.0	+/- 10%
Lead	CCV2082825B	10.0	10.0	0	+/- 10%
Mercury	CCV2082825I	0.00500	0.00499	0.20	+/- 20%
Arsenic	CCV3082825B	5.00	5.04	-0.80	+/- 10%
Cadmium	CCV3082825B	0.500	0.534	-6.8	+/- 10%
Chromium	CCV3082825B	1.00	1.02	-2.0	+/- 10%
Lead	CCV3082825B	10.0	10.1	-1.0	+/- 10%
Mercury	CCV3082825I	0.00500	0.00499	0.20	+/- 20%

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

TOTAL METALS
EPA 6010D/7471B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
Arsenic	CCV4082825B	5.00	5.13	-2.6	+/- 10%
Cadmium	CCV4082825B	0.500	0.537	-7.4	+/- 10%
Chromium	CCV4082825B	1.00	1.02	-2.0	+/- 10%
Lead	CCV4082825B	10.0	10.2	-2.0	+/- 10%
Mercury	CCV4082825I	0.00500	0.00496	0.80	+/- 20%
Arsenic	CCV5082825B	5.00	5.14	-2.8	+/- 10%
Cadmium	CCV5082825B	0.500	0.522	-4.4	+/- 10%
Chromium	CCV5082825B	1.00	1.04	-4.0	+/- 10%
Lead	CCV5082825B	10.0	10.3	-3.0	+/- 10%
Mercury	CCV5082825I	0.00500	0.00492	1.6	+/- 20%
Mercury	CCV6082825I	0.00500	0.00489	2.2	+/- 20%

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

GASOLINE RANGE ORGANICS
NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0828S1					
Gasoline	**ND**	5.0	NWTPH-Gx	8-28-25	8-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*63-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-279-13										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*104*	*119*	*63-127*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

GASOLINE RANGE ORGANICS
NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVD0828G-1	5.00	5.34	-7	+/- 20%
CCVD0828G-2	5.00	5.14	-3	+/- 20%

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0829S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
n-Hexane	ND	0.0050	EPA 8260D	8-29-25	8-29-25	
Benzene	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
1,2-Dichloroethane	ND	0.00050	EPA 8260D	8-29-25	8-29-25	
Toluene	ND	0.0050	EPA 8260D	8-29-25	8-29-25	
1,2-Dibromoethane	ND	0.00050	EPA 8260D	8-29-25	8-29-25	
Ethylbenzene	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
m,p-Xylene	ND	0.0020	EPA 8260D	8-29-25	8-29-25	
o-Xylene	ND	0.0010	EPA 8260D	8-29-25	8-29-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-129*				
Toluene-d8	*100*	*80-118*				
4-Bromofluorobenzene	*100*	*79-123*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0829S1									
	SB	SBD	SB	SBD	SB	SBD				
Methyl t-Butyl Ether	**0.0476**	**0.0511**	0.0500	0.0500	95	102	76-131	7	15	
Benzene	**0.0463**	**0.0493**	0.0500	0.0500	93	99	79-127	6	15	
1,2-Dichloroethane	**0.0482**	**0.0504**	0.0500	0.0500	96	101	80-130	4	15	
Toluene	**0.0501**	**0.0524**	0.0500	0.0500	100	105	79-125	4	15	
1,2-Dibromoethane	**0.0467**	**0.0483**	0.0500	0.0500	93	97	80-132	3	15	
Ethylbenzene	**0.0498**	**0.0522**	0.0500	0.0500	100	104	80-126	5	15	
m,p-Xylene	**0.103**	**0.108**	0.100	0.100	103	108	80-126	5	15	
o-Xylene	**0.0494**	**0.0517**	0.0500	0.0500	99	103	80-126	5	15	
Surrogate:										
Dibromofluoromethane					*102*	*106*	*75-129*			
Toluene-d8					*101*	*101*	*80-118*			
4-Bromofluorobenzene					*102*	*103*	*79-123*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0903S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	9-3-25	9-3-25	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-279-12										
	ORIG	DUP									
Diesel Range Organics	**45.2**	**31.9**	NA	NA		NA		NA	35	40	
Lube Oil	**183**	**140**	NA	NA		NA		NA	27	40	
Surrogate:											
o-Terphenyl						*69*	*72*	*50-150*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCV0903F-T1	100	103.3	-3.3	+/-15%
CCV0903F-T2	100	99.9	0.1	+/-15%
CCV0903R-T1	100	103.9	-3.9	+/-15%
CCV0903R-T2	100	103.8	-3.8	+/-15%
CCV0903R-V1	100	109.0	-9.0	+/-15%
CCV0903R-V2	100	109.2	-9.2	+/-15%

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0903S1					
Naphthalene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
2-Methylnaphthalene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
1-Methylnaphthalene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthylene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Acenaphthene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Fluorene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Phenanthrene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Anthracene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Fluoranthene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Pyrene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]anthracene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Chrysene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[b]fluoranthene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo(j,k)fluoranthene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[a]pyrene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Dibenz[a,h]anthracene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Benzo[g,h,i]perylene	**ND**	0.0017	EPA 8270E/SIM	9-3-25	9-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*74*	*49-135*				
Pyrene-d10	*84*	*57-135*				
Terphenyl-d14	*82*	*58-135*				

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

PAHs EPA 8270E/SIM
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0903S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0719**	**0.0716**	0.0833	0.0833	86	86	63-109	0	15	
Acenaphthylene	**0.0819**	**0.0762**	0.0833	0.0833	98	91	67-113	7	15	
Acenaphthene	**0.0726**	**0.0725**	0.0833	0.0833	87	87	68-109	0	15	
Fluorene	**0.0749**	**0.0739**	0.0833	0.0833	90	89	68-111	1	15	
Phenanthrene	**0.0776**	**0.0752**	0.0833	0.0833	93	90	64-115	3	15	
Anthracene	**0.0828**	**0.0822**	0.0833	0.0833	99	99	71-128	1	15	
Fluoranthene	**0.0805**	**0.0794**	0.0833	0.0833	97	95	71-117	1	22	
Pyrene	**0.0839**	**0.0830**	0.0833	0.0833	101	100	72-115	1	18	
Benzo[a]anthracene	**0.0858**	**0.0845**	0.0833	0.0833	103	101	65-126	2	15	
Chrysene	**0.0805**	**0.0793**	0.0833	0.0833	97	95	69-119	2	15	
Benzo[b]fluoranthene	**0.0797**	**0.0787**	0.0833	0.0833	96	94	65-122	1	17	
Benzo(j,k)fluoranthene	**0.0825**	**0.0798**	0.0833	0.0833	99	96	69-120	3	16	
Benzo[a]pyrene	**0.0839**	**0.0821**	0.0833	0.0833	101	99	70-120	2	15	
Indeno(1,2,3-c,d)pyrene	**0.0792**	**0.0785**	0.0833	0.0833	95	94	65-123	1	15	
Dibenz[a,h]anthracene	**0.0831**	**0.0821**	0.0833	0.0833	100	99	71-117	1	15	
Benzo[g,h,i]perylene	**0.0813**	**0.0793**	0.0833	0.0833	98	95	71-116	2	15	
Surrogate:										
2-Fluorobiphenyl					*78*	*76*	*49-135*			
Pyrene-d10					*89*	*86*	*57-135*			
Terphenyl-d14					*89*	*85*	*58-135*			

Date of Report: September 5, 2025
Samples Submitted: August 22, 2025
Laboratory Reference: 2508-279
Project: 5147-024-14

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
GEI-61_2.0-4.0	08-279-02	**21**	8-25-25
GEI-61_4.0-6.0	08-279-03	**17**	8-25-25
GEI-61_10.0-12.0	08-279-06	**14**	8-25-25
GEI-61_14.0-16.0	08-279-08	**20**	8-25-25
GEI-62_2.0-4.0	08-279-12	**20**	8-28-25
GEI-62_4.0-6.0	08-279-13	**20**	8-28-25
GEI-62_8.0-10.0	08-279-15	**13**	8-28-25
GEI-63_2.0-4.0	08-279-22	**13**	8-25-25
GEI-63_6.0-8.0	08-279-24	**19**	8-25-25
GEI-63_12.0-14.0	08-279-27	**19**	8-25-25
GEI-64_4.0-6.0	08-279-33	**20**	8-25-25
GEI-64_8.0-10.0	08-279-35	**15**	8-28-25
GEI-65_2.0-4.0	08-279-42	**19**	8-28-25
GEI-65_4.0-6.0	08-279-43	**15**	8-25-25
GEI-66_2.0-4.0	08-279-52	**18**	8-28-25
GEI-66_4.0-6.0	08-279-53	**18**	8-28-25
GEI-DUP4	08-279-59	**27**	8-25-25
GEI-DUP6	08-279-61	**19**	8-25-25

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS, INC.
Project Number: 5147-024-14
Project Name: POA - GC SOUTHERN BOUNDARY SOIL INV.
Project Manager: BRIAN TRACY
Sampled by: NATE SOLOMON

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260 * short list	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	GEI-61_0.0-2.0	1200	8.20.25	SOIL	5																						
2	GEI-61_2.0-4.0	1205			5			X	X	X				X						X							X
3	GEI-61_4.0-6.0	1210			5			X	X	X				X						X							X
4	GEI-61_6.0-8.0	1215			5																						
5	GEI-61_8.0-10.0	1220			5																						
6	GEI-61_10.0-12.0	1225			5			X	X	X				X						X							X
7	GEI-61_12.0-14.0	1230			5																						
8	GEI-61_14.0-16.0	1235			5			X	X	X				X						X							X
9	GEI-61_16.0-18.0	1240			5																						
10	GEI-61_18.0-20.0	1245			5																						

	Signature	Company	Date	Time
Relinquished		GEI	8.22.25	10:20
Received		GEI	8/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
(X) Added 8/27/25. DB (STA)
O Added 9/2/25. DB (STA)

* BTEX, MTBE, EDB, EDC, n-Hexane
** - Analyze Gx, VOCs on a 2 day TAT

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 * Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
11	GEI-62_0.0-2.0	8.2025	1330	SOIL	5																						
12	GEI-62_2.0-4.0		1335		5			X	O	X				O													X
13	GEI-62_4.0-6.0		1340		5			X	O	X				O													X
14	GEI-62_6.0-8.0		1345		5																						
15	GEI-62-8.0-10.0		1350		5			X	O	X				O													X
16	GEI-62_10.0-12.0		1355		5																						
17	GEI-62_12.0-14.0		1400		5																						
18	GEI-62_14.0-16.0		1405		5																						
19	GEI-62_16.0-18.0		1410		5																						
20	GEI-62_18.0-20.0	↓	1415	↓	5																						

	Signature	Company	Date	Time
Relinquished		GEI	10.22.25	1020
Received		ORE	8/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* BTEX, MTBE, EDB, EDC, n-Hexane

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Days **
- ☐ 3 Days
- ☒ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 * Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
21	GEI-63_0.0-2.0	8.20.25	1430	Soil	5																						
22	GEI-63_2.0-4.0		1435		5			X	X	X				X						X							X
23	GEI-63_4.0-6.0		1440		5																						
24	GEI-63_6.0-8.0		1445		5			X	X	X				X						X							X
25	GEI-63_8.0-10.0		1450		5																						
26	GEI-63_10.0-12.0		1455		5																						
27	GEI-63_12.0-14.0		1500		5			X	X	X				X						X							X
28	GEI-63_14.0-16.0		1505		5																						
29	GEI-63_16.0-18.0		1510		5																						
30	GEI-63_18.0-20.0		1515		5																						

	Signature	Company	Date	Time
Relinquished		GEI	10.22.25	1020
Received		OSE	8/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEI
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260 *Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
31	GEI-64-0.0-2.0	8.20.25	1050	SOIL	5																						
32	GEI-64-2.0-4.0		1055		5																						
33	GEI-64-4.0-6.0		1100		5			X	X	X				X						X							X
34	GEI-64-6.0-8.0		1105		5																						
35	GEI-64-8.0-10.0		1110		5			(X)	O	(X)				O													(X)
36	GEI-64-10.0-12.0		1115		5																						
37	GEI-64-12.0-14.0		1120		5																						
38	GEI-64-14.0-16.0		1125		5																						
39	GEI-64-16.0-18.0		1130		5																						
40	GEI-64-18.0-20.0		1135		5																						

	Signature	Company	Date	Time
Relinquished		GEI	10.22.25	1020
Received		OSE	8/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Days **
- ☐ 3 Days
- ☒ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 * Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
41	GEI-65_0.0-2.0	8.4.25	1045	SOIL	5																						
42	GEI-65_2.0-4.0		1050		5			X	O	X				O													X
43	GEI-65_4.0-6.0		1055		5			X	X	X				X						X							X
44	GEI-65_6.0-8.0		1100		5																						
45	GEI-65_8.0-10.0		1105		5																						
46	GEI-65_10.0-12.0		1110		5																						
47	GEI-65_12.0-14.0		1115		5																						
48	GEI-65_14.0-16.0		1120		5																						
49	GEI-65_16.0-18.0		1125		5																						
80	GEI-65_18.0-20.0	↓	1130	↓	5																						

	Signature	Company	Date	Time
Relinquished		GEI	10.22.24	1020
Received		OSE	10/22/25	1020
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 547-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Days **
- ☐ 3 Days
- ☒ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 *Short List	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
51	GEI-66-0.0-2.0	8.21.25	0940	SOIL	5																						
52	GEI-66-2.0-4.0		0945					X	O	X				O													X
53	GEI-66-4.0-6.0		0950					X	O	X				O													X
54	GEI-66-6.0-8.0		0955																								
55	GEI-66-8.0-10.0		1000																								
56	GEI-66-14.0-16.0		1015																								
57	GEI-66-16.0-18.0		1020																								
58	GEI-66-18.0-20.0		1025																								
59	GEI-DUP4	8.20.25	0000					X	X	X				X							X						X
60	GEI-DUP5	1	0700																								

	Signature	Company	Date	Time
Relinquished		GEI	8.22.25	1024
Received		GEI	8/22/25	1024
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

Page 7 of 7

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: GEOENGINEERS
Project Number: 5147-024-14
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Days ** ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-279

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260 X Short list	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
01	GEI-DUP6	8.20.25	0800	SOIL	5			X	X	X				X						X							X

	Signature	Company	Date	Time
Relinquished		GEI	8.22.25	1025
Received		CORE	8/22/25	1025
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: GE

Client Project Name/Number: 5147-024-14

OnSite Project Number: 08-279

Initiated by: MN

Date Initiated: 8/22/25

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	6,4,5,6,5
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	(No)		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	(Yes)	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

2.4) # 3) 1205 on vial

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

Attachment C
Data Validation Report

Data Validation Report

2101 4th Avenue, Suite 950, Seattle, Washington 98121, Telephone: 206.728.2674 www.geoengineers.com

Project:	Port of Anacortes – Quiet Cove Property, Interim Action Construction Oversight August 2025 Soil Samples
File:	05147-024-14
Date:	September 30, 2025

This report documents the results of a United States Environmental Protection Agency (USEPA)-defined Stage 2B data validation (USEPA Document 540-R-08-005; USEPA 2009) of analytical data from the analyses of soil samples collected as part of the August 2025 sampling event, and the associated laboratory and field quality control (QC) samples. The samples were obtained from the Quiet Cove Site (Site) located at 2nd Street and O Avenue in Anacortes, 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 Blanks
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/Laboratory Control Sample Duplicates
- Laboratory Duplicates
- Field Duplicates
- Instrument Tuning
- Internal Standards
- Initial Calibrations (ICALs)

- Continuing Calibrations (CCALs)
- Reporting Limits
- Miscellaneous

Validated Sample Delivery Groups

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

TABLE 1. SUMMARY OF VALIDATED SAMPLE DELIVERY GROUPS

LABORATORY SDG	SAMPLES VALIDATED
2508-279	GEI-61_2.0-4.0, GEI-61_4.0-6.0, GEI-DUP4, GEI-61_10.0-12.0, GEI-61_14.0-16.0, GEI-62_2.0-4.0, GEI-62_4.0-6.0, GEI-62_8.0-10.0, GEI-63_2.0-4.0, GEI-63_6.0-8.0, GEI-63_12.0-14.0, GEI-DUP6, GEI-64_4.0-6.0, GEI-64_8.0-10.0, GEI-65_2.0-4.0, GEI-65_4.0-6.0, GEI-66_2.0-4.0, GEI-66_4.0-6.0
2508-279B	GEI-62_2.0-4.0, GEI-62_6.0-8.0, GEI-64_2.0-4.0

Chemical Analysis Performed

OnSite Environmental, Inc. (OnSite), located in Redmond, 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 SW8260D;
- Polycyclic Aromatic Hydrocarbons (PAHs) by Method EPA8270E-SIM; and
- Total Metals by Methods EPA6010D and EPA7471B

Data Validation Summary

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

DATA PACKAGE COMPLETENESS

OnSite 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 2508-279: (PAHs) The percent recoveries for surrogates 2-Fluorobiphenyl, pyrene-d10, and terphenyl-d14 were outside the control limits in Sample GEI-63_2.0-4.0. The positive results and the reporting limits for the PAH target analytes were qualified as estimated (J and UJ, accordingly) in this sample.

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.

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.

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, with the following exceptions:

SDG 2508-279: (Total Metals) The laboratory performed a laboratory duplicate sample set on Sample GEI-61_2.0-4.0. The RPD for total chromium was greater than the control limit in the laboratory duplicate digested on 8/28/2025. The positive results for this target analyte were qualified as estimated (J) in Samples GEI-61_2.0-4.0, GEI-61_4.0-6.0, GEI-61_10.0-12.0, and GEI-61_14.0-16.0.

SDG 2508-279B: (Total Metals) The laboratory performed a laboratory duplicate sample set with a QC outlier; however, it was performed on a sample from a different SDG and is not associated with GeoEngineers' collected field samples. For this reason, no action was required.

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 soil samples is 50 percent.

SDG 2508-279: Two field duplicate sample pairs, GEI-61_4.0-6.0/GEI-DUP4 and GEI-63_12.0-14.0/GEI-DUP6, were submitted with this SDG. The precision criteria for the target analytes were met in these sample pairs, with the exception of benzene, ethylbenzene, hexane, m,p-xylene, o-xylene, all PAH target analytes, and total lead in Samples GEI-61_4.0-6.0 and GEI-DUP4. The positive results and reporting limits for these target analytes were qualified as estimated (J and UJ, accordingly) in this sample pair.

INSTRUMENT TUNING

Instrument tuning for analyses by gas chromatography/mass spectrometry (GC/MS) are completed to ensure that mass resolution, identification, and sensitivity of the analyses are acceptable. Instrument tuning should be performed at the beginning of each 12-hour period during which samples or standards are analyzed. The frequency and specified acceptance criteria were met for each applicable analysis.

INTERNAL STANDARDS (LOW RESOLUTION MASS SPECTROMETRY)

Like the surrogate, an internal standard is a compound that is chemically similar to the analytes of interest, but unlikely to be found in an environmental sample. Internal standards are used only for the mass spectrometry instrumentation and are usually added to the sample aliquot after extraction has taken place. The internal standard should be analyzed at the beginning of a 12-hour sample run and the control limits for internal standard recoveries are 50 percent to 200 percent of the calibration standard. The internal standard recoveries were within the control limits.

INITIAL CALIBRATIONS (ICALS)

The initial calibrations were conducted according to the laboratory methods and consisted of the appropriate number of standards. The relative standard deviation (%RSD) and relative response factors (RRF) were within the internal laboratory control limits, or the control limits stated in the National Functional Guidelines (USEPA 2020a, 2020b).

CONTINUING CALIBRATIONS (CCALS)

The continuing calibrations were conducted according to the laboratory methods and consisted of the appropriate number of standards. The percent difference (%D) and relative response factors (RRF) were within the internal laboratory control limits, or the control limits stated in the National Functional Guidelines (USEPA 2020a, 2020b).

REPORTING LIMITS

The contract required quantitation limits (CRQL) were met by the laboratory for the target analytes throughout this sampling event, with some exceptions where the CRQL was elevated due to required sample dilution.

MISCELLANEOUS

SDG 2508-279: (NWTPH-Gx) The positive result for gasoline-range hydrocarbons in Sample GEI-65_2.0-4.0 may be influenced by hydrocarbons indicative of heavier fuels present in the sample. For this reason, the positive result for gasoline-range hydrocarbons was qualified as estimated (J) in this sample, in order to signify a potential high bias.

(NWTPH-Dx) The positive result for diesel-range hydrocarbons in Sample GEI-64_4.0-6.0 may be influenced by the relative concentration of lube oil-range hydrocarbons in the sample. For this reason, the positive result for diesel-range hydrocarbons was qualified as estimated (J) in this sample, in order to signify a potential high bias.

The positive result for lube oil-range hydrocarbons in Sample GEI-65_2.0-4.0 may be influenced by the relative concentration of diesel-range hydrocarbons in the sample. For this reason, the positive result for lube oil-range hydrocarbons was qualified as estimated (J) in this sample, in order to signify a potential high bias.

Overall Assessment

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

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

TABLE 2. SUMMARY OF QUALIFIED SAMPLES

SAMPLE ID	ANALYTE	QUALIFIER	REASON
GEI-61_2.0-4.0	Total chromium	J	Laboratory Duplicate Precision
GEI-61_4.0-6.0	1-Methylnaphthalene	J	Field Duplicate Precision
	2-Methylnaphthalene	J	Field Duplicate Precision
	Acenaphthene	UJ	Field Duplicate Precision
	Acenaphthylene	UJ	Field Duplicate Precision
	Anthracene	UJ	Field Duplicate Precision
	Benzene	J	Field Duplicate Precision
	Benzo(a)anthracene	UJ	Field Duplicate Precision
	Benzo(a)pyrene	UJ	Field Duplicate Precision
	Benzo(b)fluoranthene	UJ	Field Duplicate Precision
	Benzo(j,k)fluoranthene	UJ	Field Duplicate Precision
	Benzo(g,h,i)perylene	UJ	Field Duplicate Precision
	Total chromium	J	Laboratory Duplicate Precision
	Chrysene	UJ	Field Duplicate Precision
	Dibenzo(a,h)anthracene	UJ	Field Duplicate Precision
	Ethylbenzene	UJ	Field Duplicate Precision
	Fluoranthene	UJ	Field Duplicate Precision
	Fluorene	UJ	Field Duplicate Precision
	Hexane	J	Field Duplicate Precision
	Indeno(1,2,3-c,d)pyrene	UJ	Field Duplicate Precision
	Total lead	UJ	Field Duplicate Precision
	m,p-Xylene	J	Field Duplicate Precision
	Naphthalene	UJ	Field Duplicate Precision
	o-Xylene	UJ	Field Duplicate Precision
	Phenanthrene	UJ	Field Duplicate Precision
	Pyrene	UJ	Field Duplicate Precision

SAMPLE ID	ANALYTE	QUALIFIER	REASON
GEI-DUP4	1-Methylnaphthalene	J	Field Duplicate Precision
	2-Methylnaphthalene	J	Field Duplicate Precision
	Acenaphthene	UJ	Field Duplicate Precision
	Acenaphthylene	J	Field Duplicate Precision
	Anthracene	J	Field Duplicate Precision
	Benzene	J	Field Duplicate Precision
	Benzo(a)anthracene	J	Field Duplicate Precision
	Benzo(a)pyrene	J	Field Duplicate Precision
	Benzo(b)fluoranthene	J	Field Duplicate Precision
	Benzo(j,k)fluoranthene	J	Field Duplicate Precision
	Benzo(g,h,i)perylene	J	Field Duplicate Precision
	Chrysene	J	Field Duplicate Precision
	Dibenzo(a,h)anthracene	UJ	Field Duplicate Precision
	Ethylbenzene	J	Field Duplicate Precision
	Fluoranthene	J	Field Duplicate Precision
	Fluorene	UJ	Field Duplicate Precision
	Hexane	J	Field Duplicate Precision
	Indeno(1,2,3-c,d)pyrene	J	Field Duplicate Precision
	Total lead	J	Field Duplicate Precision
	m,p-Xylene	J	Field Duplicate Precision
	Naphthalene	J	Field Duplicate Precision
	o-Xylene	J	Field Duplicate Precision
	Phenanthrene	J	Field Duplicate Precision
	Pyrene	J	Field Duplicate Precision
GEI-61_10.0-12.0	Total chromium	J	Laboratory Duplicate Precision
GEI-61_14.0-16.0	Total chromium	J	Laboratory Duplicate Precision

SAMPLE ID	ANALYTE	QUALIFIER	REASON
GEI-63_2.0-4.0	1-Methylnaphthalene	J	Surrogate Recovery
	2-Methylnaphthalene	J	Surrogate Recovery
	Acenaphthene	J	Surrogate Recovery
	Acenaphthylene	J	Surrogate Recovery
	Anthracene	J	Surrogate Recovery
	Benzo(a)anthracene	J	Surrogate Recovery
	Benzo(a)pyrene	J	Surrogate Recovery
	Benzo(b)fluoranthene	J	Surrogate Recovery
	Benzo(j,k)fluoranthene	J	Surrogate Recovery
	Benzo(g,h,i)perylene	J	Surrogate Recovery
	Chrysene	J	Surrogate Recovery
	Dibenzo(a,h)anthracene	J	Surrogate Recovery
	Fluoranthene	UJ	Surrogate Recovery
	Fluorene	J	Surrogate Recovery
	Indeno(1,2,3-c,d)pyrene	J	Surrogate Recovery
	Naphthalene	J	Surrogate Recovery
	Phenanthrene	J	Surrogate Recovery
	Pyrene	UJ	Surrogate Recovery
GEI-64_4.0-6.0	Diesel-range hydrocarbons	J	See Miscellaneous
GEI-65_2.0-4.0	Gasoline-range hydrocarbons	J	See Miscellaneous
	Lube oil-range hydrocarbons	J	See Miscellaneous

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.