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March 15, 2024

Snohomish County Fire District No. 4
1525 Avenue D
Snohomish, Washington 98290

Attention: Don Waller, Fire Chief

Subject: Additional Soil Sampling Results
Pine Avenue Property
308 Third Street
Snohomish, Washington
File No. 26965-002-01

INTRODUCTION

GeoEngineers is pleased to present this letter to Snohomish County Fire District No. 4 (Snohomish Fire) summarizing the results of the soil sampling and chemical analyses conducted for additional shallow subsurface characterization at the proposed City Services and Public Safety Campus (i.e., Pine Avenue Property) project located at 308 Third Street in Snohomish, Washington (project site). The soil sampling and characterization was completed to address data gaps identified in our November 16, 2023, Cleanup Strategy and Cost Estimate—Pine Avenue Property Technical Memorandum (GeoEngineers Memo). Data gaps included the need for further evaluation of the chlorinated volatile organic compound (CVOC) tetrachloroethylene (PCE) and arsenic concentrations in soil at the project site. Further evaluation was necessary to assess and document if potential cleanup or remedial action was warranted at the project site per the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA), and to refine our preliminary estimated costs for any necessary cleanup, remedial actions, or material management during property redevelopment, as discussed in the GeoEngineers Memo.

Previous subsurface investigations conducted at the project site by Robinson Noble, a Terraphase Company, (Robinson Noble) in June and September 2023 identified PCE and arsenic in soil at concentrations greater than the Ecology MTCA cleanup levels (CUL). Subsequent subsurface investigations conducted by Riley Group in October 2023 did not identify PCE and/or arsenic at concentrations greater than the MTCA CULs.

Based on the contradictory findings from Robinson Noble and Riley Group, Snohomish Fire requested that GeoEngineers complete this additional subsurface investigation. The project background, a summary of previous environmental investigation, details of this investigation, a summary of our findings, and recommendations for soil management as part of property redevelopment at the project are presented below.

PROJECT BACKGROUND

Our understanding of the project site is based on recent communications with Snohomish Fire and a review of the documents listed below.

Document List (by author/date)

GeoEngineers. November 16, 2023. Technical Memorandum regarding “Cleanup Strategy and Cost Estimate—Pine Avenue Property, 308 Third Street, Snohomish, Washington.” From Phil Cordell and Tim Syverson to Don Waller, Snohomish Fire District No. 4.

Jameson Pepple Cantu PLLC. October 18, 2023. Legal Memorandum regarding “Five J’s—Snohomish Fire District #4, Amount of Environmental Holdback from Purchase Price. ‘Looking for a Solution is Looking for a Problem.’”

Riley Group. October 5, 2023. Letter regarding “Former Steuber Property, 313, to 331 Pine Avenue, 301 4th Street, 308 3rd Street, 302 to 327 Cypress Avenue, Snohomish, Washington 98291.” From Brian Lawler and Virginia Antipolo-Utt to Honorable Terrence Carroll (Ret.).

Riley Group. October 18, 2023. Technical Memorandum regarding “Former Steuber Property, 313 to 331 Pine Street, 301 4th Street, 308 3rd Street, 302 to 327 Cypress Ave, Snohomish, Washington.” From Eric Zern and Paul D. Riley to Brian Lawler, Jameson Pepple Canut PLLC, and Virginia Antipolo-Utt, Antipolo & Paul Law Firm, P.S.

Riley Group. October 31, 2023. Technical Memorandum 2 regarding “Former Steuber Property, 313 to 331 Pine Street, 301 4th Street, 308 3rd Street, 302 to 327 Cypress Ave, Snohomish, Washington.” From Eric Zern and Paul D. Riley to Brian Lawler, Jameson Pepple Canut PLLC, and Virginia Antipolo-Utt, Antipolo & Paul Law Firm, P.S.

Riley Group. December 20, 2023. Technical Memorandum regarding “Revised Tetrachloroethene Lab Data, 5 J’s Property, Southeast Corder of Pine Avenue and 4th Street, Snohomish, Washington.” From Eric Zuern to Brian Lawler, Jameson Pepple Canut PLLC, and Virginia Antipolo-Utt, Antipolo & Paul Law Firm, P.S.

Robinson Noble. May 18, 2023. Letter regarding “Scope of Work and Cost Estimate to Complete Additional Site Characterization of the Proposed City Services and Public Safety Campus Property, 308 Third Street, Snohomish, Washington.” From Ryan Minkel to Yosh Monzaki, City of Snohomish.

Robinson Noble. June 16, 2023. “Phase I/Phase II Environmental Site Assessment, the City of Snohomish 313, 315, 317, 323, 325, 327 and 331 Pine Avenue, 301 4th Street, 308 3rd Street, and 302, 323, and 327 Cypress Avenue, Snohomish, Washington.”

Robinson Noble. June 27, 2023. Letter regarding “Exhibit A: Scope of Geotechnical Services—Infiltration Task Order 10: City Services Campus, Snohomish, Washington.” From Ryan Minkel to Yoshihiro Monzaki, City of Snohomish.

Robinson Noble. September 22, 2023. Draft letter regarding “City Services Campus Project—Remediation Planning Cost Estimates.” From Ryan Minkel to Yoshihiro Monzaki, City of Snohomish.

Robinson Noble. September 25, 2023. “City of Snohomish, City Services Campus Initial Site Investigation, 308 Third Street, Snohomish, Washington.” Prepared for the City of Snohomish.



Robinson Noble. September 27, 2023. Letter regarding “City Services Campus-Remediation Planning Cost Estimate.” From Ryan Minkel to Yoshihiro Monzaki, City of Snohomish.

Robinson Noble. October 3, 2023. Letter regarding “Notification of Out-of-Scope Costs Associated with the Initial Site Investigation at 308 3rd Street, Snohomish, Washington.” From Ryan Minkel to Yoshihiro Monzaki, City of Snohomish.

Robinson Noble. October 18, 2023. Letter regarding “Response to Legal Memorandum from James Pepple Cantu PLLC and Technical Memorandum from Riley Group Regarding Soil Contamination at Steuber Facility.” From Ryan Minkel to Yoshihiro Monzaki, City of Snohomish.

Based on the available information, the project site is occupied by six single-family residences along Pine Avenue and 4th Street in the west portion of the site, two commercial buildings west of Cypress Avenue, and two commercial buildings east of Cypress Avenue. The Pilchuck River is located east adjacent to the project site. Steuber Distributing, a horticulture supply retailer, is located at 308 3rd Street and reportedly occupies the commercial buildings located in the central and east portions of the project site. The project site is shown on the attached Figure 1.

The buildings along Pine Avenue were first developed in 1902 for residential uses. Following this initial development, the property between the unnamed alleyway and Cypress Avenue (the main portion of the Steuber Distributing facility [Steuber]) was developed with a greenhouse and storage buildings sometime prior to 1941. The property east of Cypress Avenue appears to have been developed with a gravel mining operation at around the same time. The commercial facility (Steuber) between Cypress Avenue and the unnamed alley was expanded over time with the construction of additional storage buildings and greenhouses. The gravel mining operation appears to have vacated the project site in the 1970s and Steuber expanded onto the former gravel mine property east of Cypress Avenue.

From our recent discussions with you, we understand that Snohomish Fire now owns the project site.

Environmental Investigations

The documents listed above detail several investigations completed by Robinson Noble and Riley Group in 2023 at the project site. A summary of the findings of the various investigations at the project site is presented below and includes relevant information provided in the GeoEngineers Memo.

■ Robinson Noble

Robinson Noble completed a Phase I/Phase II Environmental Site Assessment in June 2023 and an “Initial (sic) Subsurface Investigation” (Initial Investigation) in September 2023. The only Recognized Environmental Condition identified in the Phase I investigation was a release from the flammables shed at 308 3rd Street where petroleum products and solvents were being stored. The subsequent Phase II investigations included soil sampling near the flammables storage shed and at other locations across the project site.

The Phase II investigation included excavation of 12 test pits to a depth between 9 and 10 feet below ground surface (bgs) at the locations shown on Figure 1. Based on the analytical results for the samples collected during the Phase II investigation, Robinson Noble conducted the subsequent Initial Investigation that included installation of six groundwater monitoring wells (three pairs of shallow and deep wells designated as MW-1S/MW-1D through MW-3S/MW-3D), and the drilling and sampling of six temporary



vapor probes (designated as VP-1 through VP-6), and one direct-push soil boring (designated as DP-1). The samples collected during the subsequent investigations were submitted for laboratory analyses for selected analytes based on the Phase II sample analytical results.

The sample analytical results were compared to the applicable Ecology MTCA CULs. The sampling results for each medium are discussed below.

Soil

Robinson Noble's investigations identified concentrations of diesel-range total petroleum hydrocarbons (TPH) greater than the laboratory reporting limits in shallow soil samples collected near a storage shed reported to be used to store flammable materials (herein referred to as the flammable storage shed). The detected diesel-range TPH concentrations were all less than the applicable MTCA CULs.

PCE was detected at concentrations greater than the laboratory reporting limits in 10 of the 20 samples analyzed during the Phase II investigation and 8 of 83 samples analyzed during the subsequent Initial Investigation. PCE concentrations greater than the MTCA Method A CUL were detected in soil collected from 10 feet bgs (ft bgs) during the drilling for the installation of monitoring wells MW-3S and MW-3D, and in soil collected at 8 and 10 ft bgs in test pits TP-2 and TP-7, respectively. PCE was detected in soil samples collected at depths ranging from 1.5 to 10 ft bgs in test pits TP1, TP3, TP5, TP6, TP8 at concentrations greater than the laboratory reporting limits but less than the MTCA Method A CULS. PCE was also detected in soil collected at 35 ft bgs during the drilling for the installation of MW-3S at a concentration less than the MTCA Method A CUL. The CVOC trichloroethene (TCE) and other PCE degradation products (i.e., cis-1,2-Dichloroethene [DCE] and vinyl chloride) were not detected in soil at concentrations greater than the laboratory reporting limits. The PCE sampling locations and detected concentrations are shown on Figure 2.

Arsenic was detected at concentrations greater than the MTCA Method A CUL of 20 milligrams per kilogram (mg/kg) in six of eight shallow soil samples analyzed during the subsequent Initial Investigation and in one sample analyzed during the Phase II investigation. The samples with arsenic concentration greater than the MTCA Method A CUL were collected from direct-push boring DP1, test pit TP-5, and soil vapor probes VP2 through VP6. The highest measured concentration was 36 mg/kg collected from VP4 at 1.4 ft bgs. The soil samples were analyzed for arsenic using U. S. Environmental Protection Agency (EPA) Method 7020.

Robinson Noble reported that arsenic concentrations in soil greater than the CUL are possibly "widespread." The locations where arsenic was detected in soil at concentrations greater than the laboratory reporting limits are shown on the attached Figure 3.

Soil-Gas and Ambient Air

Robinson Noble installed six temporary soil vapor probes (VPs) and collected one exterior ambient air sample for laboratory chemical analysis. Soil-gas samples collected from the vapor probes and the ambient air sample were analyzed for CVOCs, including PCE and associated degradation products by EPA Test Method TO-15. PCE was detected at concentrations greater than the laboratory reporting limit in the samples from all six vapor probes. TCE was detected at concentrations greater than the laboratory reporting limit in one soil-gas sample (VP-4), and vinyl chloride was detected at concentrations greater than the laboratory reporting limit in soil-gas samples at all of the vapor probe locations except VP-1. Only TCE was detected in the ambient air sample. All of the detected concentrations of PCE and the associated



degradation products were less than the MTCA Method B soil-gas screening levels. The soil gas and ambient air sampling locations and detected CVOC concentrations are shown on the attached Figure 3.

Groundwater

As noted above, Robinson Noble installed shallow and deep monitoring well pairs at the three locations (six total wells) at the project site shown on Figure 3. Groundwater samples were collected from each well and analyzed for PCE and associated degradation products by EPA Method 8260D. PCE and the breakdown products were not detected in any of the groundwater samples at concentrations greater than the laboratory reporting limits. Depth to groundwater was reported at approximately 47 to 48 ft bgs in the shallow wells and assumed to be at about the same elevation as the adjacent Pilchuck River.

Riley Group

In October 2023, Riley Group drilled 28 direct-push borings at the project site to depths ranging from 2 to 19 feet bgs and collected 79 samples at depths ranging between 1 and 19 ft bgs. The soil samples were analyzed for arsenic using EPA Method 6020B. Arsenic was detected in all 79 samples at concentrations greater than the laboratory reporting limits ranging between 1.68 and 9.67 mg/kg. All of the detected arsenic concentrations were less than the MTCA Method A CUL of 20 mg/kg.

On October 25, 2023, Riley Group advanced an additional 13 direct-push borings at the project site to depths ranging from 3 to 15 ft bgs. Several shallow hand auger borings were also advanced. The boring locations included approximately the same locations where the drilling and sampling by Robinson Noble had identified arsenic (seven locations) and PCE (six locations) at concentrations in soil greater than the MTCA Method A CULs. The Riley Group and Robinson Noble exploration locations are shown on Figure 1.

Arsenic was detected at concentrations greater than the laboratory reporting limit in seven of the “co-located” samples collected by Riley Group at between 3.51 mg/kg and 8.77 mg/kg. All the detected arsenic concentrations were less than the MTCA Method A CUL. PCE was not detected in any of the soil samples collected by Riley Group at concentrations greater than the laboratory reporting limits.

Following a request by GeoEngineers, Riley Group requested a revised report from the analytical laboratory that included CVOC detection limits. The updated results were summarized in the Riley Group’s December 20, 2023 Technical Memorandum regarding Revised Tetrachloroethene Lab Data, 5 J’s Property, and reported that PCE was detected at concentrations above the analytical test method detection limit but below the reporting limit in samples collected from 7.5, 10, and 15 ft bgs at B17/VP4 and 10 and 15 ft bgs at B18 (exploration locations are shown on Figure 1). Estimated PCE concentrations were between 0.0020 mg/kg and 0.011 mg/kg, less than the MTCA Method A unrestricted CUL of 0.05 mg/kg.

GeoEngineers

The November 16, 2023 GeoEngineers Memo included a detailed review of the analytical data presented by Robinson Noble and Riley Group. As noted in the GeoEngineers Memo, data quality concerns were identified regarding the arsenic and PCE data collected by Robinson Noble and a supplemental/additional investigation was recommended to further investigate the differing and contradictory findings from Robinson Noble and Riley Group, and to evaluate and document if a cleanup or remedial action is warranted at the project site.



ADDITIONAL SOIL INVESTIGATION ACTIVITIES

GeoEngineers conducted a reconnaissance of the project site on December 20, 2023, to observe current project site conditions and identify proposed additional drilling and sampling locations. Soil samples were collected and submitted for laboratory chemical analyses from selected boring locations based on field screening results and in general accordance with Table 1 of our 2024 Scope of Work (GeoEngineers 2024), to evaluate soil for the presence of PCE, arsenic, and TPH. Applicable soil screening levels for the project site include the Ecology MTCA Method A CULs based on unrestricted land use. The soil analytical results and screening levels are presented in Table 1.

Subsurface conditions were evaluated by obtaining environmental soil samples from the 16 direct-push soil borings (GEI-1 through GEI-16) and two catch basin (GEI-CB-1 and GEI-CB-2) locations shown on Figure 2. The borings were generally drilled to a depth between 5 and 15 ft bgs depending on the depth of PCE and arsenic detections previously reported by Robinson Noble. The borings were completed by Cascade Drilling on January 29 and 30, 2024. Descriptions of the field exploration program, field screening methods, and the boring logs are presented in Appendix A.

Drilling activities were monitored by a representative of GeoEngineers, who visually classified and performed field screening tests on soil samples collected from the borings for indications of petroleum hydrocarbons and CVOCs using water sheen screening and headspace vapor screening with a photo-ionization detector (PID).

INVESTIGATION FINDINGS

Soil field screening did not identify indications of contamination in any of the 16 borings. Soil encountered in the borings consisted of damp to moist, brown silt sand and gravel, overlying sand with varying amount of silt. Groundwater was not encountered.

Multiple samples were collected from each boring and 44 discrete soil samples were selected for laboratory chemical analyses. Soil samples were analyzed for arsenic, select CVOCs (i.e., 1,1-dichloroethylene, cis-1,2-dichloroethylene, tetrachloroethylene, trans-1,2-Dichloroethylene, trichloroethylene, and vinyl chloride) or gasoline-, diesel- and oil-range TPH based on field observations, the results of field screening, and in general accordance with Table 1 of our 2024 Scope of Work (GeoEngineers 2024). Catch basin samples were analyzed for CVOCs. Soil sample analytical results are presented in Table 1 and on Figures 3 and 4. The laboratory data report is included in Appendix B.

Arsenic. The detected concentrations of arsenic measured in shallow soil were between 4.54 and 8.63 mg/kg, and all less than the MTCA Method A unrestricted CUL of 20 mg/kg. Sampling locations were generally co-located with those where samples collected by Robinson Noble indicated arsenic at concentrations greater than the MTCA Method A CUL. Analytical testing was completed using EPA Method 6020B rather than the lesser used EPA Method 7010 used by Robinson Noble. A comparison of arsenic concentrations reported by Robinson Noble, Riley Group, and GeoEngineers at select locations is shown on Figure 3.

CVOCs. Soil samples from 15 borings and two catch basins were analyzed for CVOCs (Figure 4). Concentrations of CVOCs were less than the laboratory reporting limits in the samples from all but one boring (GEI-07) that was located adjacent to MW-3S/3D and test pit TP-7 where PCE was detected



previously by Robinson Noble. PCE was detected at concentrations of 0.0011 mg/kg, 0.0026 mg/kg, and 0.0018 mg/kg at 7.5, 10.5, and 12.5 ft bgs, respectively. All of the detected concentrations were less than the MTCA Method A unrestricted CUL of 0.05 mg/kg. PCE was not detected at concentrations greater than the laboratory reporting limit in the samples from the other four borings advanced near MW-3S/3D and TP-7.

Total Petroleum Hydrocarbons. No field indications of petroleum hydrocarbon contamination were observed; therefore, only two soil samples collected near the former fuel storage shed were analyzed for NWTPH-Dx/Gx. Total petroleum hydrocarbons were not detected at concentrations greater than the laboratory reporting limits in the two soil samples analyzed.

SUMMARY

Five rounds of sampling have been conducted at the project site including two by Robinson Noble, two by the Riley Group, and this investigation. Several dozen soil samples have been analyzed for arsenic and CVOCs. The detected concentrations of arsenic and PCE in soil greater than the applicable MTCA Method A CULs reported by Robinson Noble have not been replicated in the three subsequent investigations completed by the Riley Group and GeoEngineers despite attempts to reoccupy the same sampling locations.

Based on analytical results for the large number of PCE and arsenic soil samples, the laboratory-identified quality control issues with previous sample analyses discussed in the GeoEngineers Memo, the inability for the concentrations identified in soil to be replicated in subsequent sampling and analysis by Riley Group and GeoEngineers, and the lack of PCE detections in groundwater, the available data do not indicate the presence of widespread soil with PCE or arsenic concentrations greater than the MTCA CULs. Therefore, a cleanup action is not warranted at the project site. Furthermore, preliminary redevelopment plans for the project site shown in Appendix C indicate that the area near MW-3S/3D and TP-7 where PCE was recently detected will likely be paved, and the area near the former fuel storage shed will be landscaped or paved for parking. These improvements will provide physical barriers to the underlying soil and eliminate potential exposure via the direct contact pathway. However, planned redevelopment activities may disturb impacted soil in the areas near MW-3S/3D and TP-7 and/or near the former fuel storage shed during construction, and the soil from these areas will need to be handled in accordance with a contaminated media management plan (CMMP) as discussed below.

While a cleanup action is not warranted, based on the soil analytical data collected to date, the large size of the project site, and long history of various uses, isolated areas of contaminant-containing soil with concentrations both greater and/or less than the MTCA CULs could be encountered during construction for project site redevelopment. Therefore, planning for project site construction will include the preparation and use of a CMMP. The CMMP will detail procedures for identifying and handling soil containing CVOCs, petroleum hydrocarbons and other potential contaminants, if encountered during project construction. The CMMP will apply to construction activities throughout the project site where soil will be disturbed and/or excavated, including near MW-3S/3D, TP-7, TP-2 and the former fuel storage shed.



MATERIAL MANAGEMENT COSTS

As discussed above, a cleanup action is not warranted at the project site based on the available data. However, PCE and petroleum contamination in soil has been identified in isolated areas of the site in the Cypress Avenue right-of-way, near the former fuel storage shed and potentially near existing test pit TP-2 (near Building B shown on Figure 1). The redevelopment plans (Appendix C) indicate that soil in these areas may be disturbed during redevelopment. We understand the utility improvements near MW-3 may extend up to 15 feet bgs. Therefore, PCE impacted soil will likely be encountered and require oversight, testing and special handling consistent with the CMMP. Earthwork activities near the former fuel storage area TP-2 may also encounter petroleum or PCE-impacted soil, respectively.

At this time, the volume of material potentially requiring special handling under these scenarios is unknown but appears to be relatively limited based on the available data. Therefore, we recommend planning for a material handling contingency of \$150,000 to cover potential future sampling, analysis, disposal, and management of PCE and petroleum hydrocarbon-containing soil based on the estimated costs provided below.

Contaminated Material Handling Cost Estimate - \$150,000

| | |
|---|------------------|
| ■ Contaminated soil disposal and transport (up to 850 tons) - | \$87,000 |
| ■ Environmental construction oversight and material testing (assume 15 days) - | \$50,000 |
| ■ Reporting and environmental project management (assume 25 percent of oversight and sampling costs)- | \$13,000 |
| TOTAL | \$150,000 |

LIMITATIONS

We have prepared this report for the Snohomish County Fire District No. 4 (Snohomish Fire). Snohomish Fire may distribute copies of this report to its authorized agents and regulatory agencies as may be required for the project.

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

Please refer to Appendix D titled “Report Limitations and Guidelines for Use” for additional information pertaining to the use of this report.



We appreciate the opportunity to assist the Snohomish Fire with this project. Please call if you have questions or require additional information.

Sincerely,
GeoEngineers, Inc.



Phil Cordell, LG
Senior Environmental Geologist



Tim L. Syverson, LG, LHG
Associate

PC:TLS:jm:mce

Attachments:

- Table 1. Chemical Analytical Data—Soil
- Figure 1. Site Plan
- Figure 2. Previous Investigation PCE Concentrations in Soil
- Figure 3. Select Arsenic Concentrations in Soil
- Figure 4. PCE Concentrations in Soil—January 2024
- Appendix A. Field Procedures and Boring Logs
- Appendix B. Laboratory Analytical Report
- Appendix C. Redevelopment Plans
- Appendix D. Report Limitations and Guidelines for Use

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



Table 1
Chemical Analytical Data--Soil
Pine Avenue Property
Snohomish, Washington

| Sample Identification ¹ | MTCA Cleanup Level ² | GEI-01-2 | GEI-02-2 | GEI-03-2.5 | GEI-03-5.5 | GEI-03-10.5 | GEI-03-12.5 | GEI-04-2.5 | GEI-04-5.5 | GEI-04-10.5 |
|---|---------------------------------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|
| Petroleum Hydrocarbons by NWTPH-Dx/Gx (mg/kg) | | | | | | | | | | |
| Diesel-range hydrocarbons | 2000 | -- | -- | -- | 28 U | -- | -- | -- | 27 U | -- |
| Lube oil-range hydrocarbons | 2000 | -- | -- | -- | 55 U | -- | -- | -- | 54 U | -- |
| Gasoline-range hydrocarbons | 100 | -- | -- | -- | 5.1 U | -- | -- | -- | 5.7 U | -- |
| Metals by EPA Method 6020B | | | | | | | | | | |
| Arsenic | 20 | 8.63 | 6.03 | 5.27 | -- | -- | -- | 7.71 | -- | -- |
| Chlorinated Volatile Organic Compounds by EPA Method 8260D (mg/kg) | | | | | | | | | | |
| cis-1,2-Dichloroethylene | -- | -- | -- | -- | 0.00099 U | 0.0011 U | 0.00085 U | -- | 0.00092 U | 0.0011 U |
| Tetrachloroethylene | 0.05 | -- | -- | -- | 0.00099 U | 0.0011 U | 0.00085 U | -- | 0.00092 U | 0.0011 U |
| trans-1,2-Dichloroethylene | -- | -- | -- | -- | 0.00099 U | 0.0011 U | 0.00085 U | -- | 0.00092 U | 0.0011 U |
| Trichloroethylene | 0.03 | -- | -- | -- | 0.00099 U | 0.0011 U | 0.00085 U | -- | 0.00092 U | 0.0011 U |
| Vinyl Chloride | -- | -- | -- | -- | 0.00099 U | 0.0011 U | 0.00085 U | -- | 0.00092 U | 0.0011 U |

Notes:

¹ Sample locations are shown on Figure 1.

² Based on the MTCA Method A Unrestricted or Method B Direct Contact cleanup levels for soil.

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

MTCA = Model Toxics Control Act

NE = Not Established

NWTPH-Dx/Gx = Northwest Total Petroleum Hydrocarbon-Diesel and -Gasoline Extended

U = Not detected above the method detection limit.

J = Estimated value.

Shading indicates that the identified concentration is greater than the MTCA cleanup level.

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

Italic font type indicates the analyte was not detected but that the method detection limit is greater than the MTCA cleanup level.

Table 1
Chemical Analytical Data--Soil
Pine Avenue Property
Snohomish, Washington

| Sample Identification ¹ | MTCA Cleanup Level ² | GEI-04-14 | GEI-05-2 | GEI-05-6 | GEI-05-10.5 | GEI-06-4 | GEI-06-7.5 | GEI-06-12.5 | GEI-07-2 | GEI-07-4 |
|---|---------------------------------------|-----------|-------------|-----------|-------------|----------|------------|-------------|-------------|-----------|
| Petroleum Hydrocarbons by NWTPH-Dx/Gx (mg/kg) | | | | | | | | | | |
| Diesel-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lube oil-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Gasoline-range hydrocarbons | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Metals by EPA Method 6020B | | | | | | | | | | |
| Arsenic | 20 | -- | 8.13 | -- | -- | -- | -- | -- | 8.57 | -- |
| Chlorinated Volatile Organic Compounds by EPA Method 8260D (mg/kg) | | | | | | | | | | |
| cis-1,2-Dichloroethylene | -- | 0.0014 U | -- | 0.00092 U | 0.00079 U | 0.0012 U | 0.00096 U | 0.0009 U | -- | 0.00099 U |
| Tetrachloroethylene | 0.05 | 0.0014 U | -- | 0.00092 U | 0.00079 U | 0.0012 U | 0.00096 U | 0.0009 U | -- | 0.00099 U |
| trans-1,2-Dichloroethylene | -- | 0.0014 U | -- | 0.00092 U | 0.00079 U | 0.0012 U | 0.00096 U | 0.0009 U | -- | 0.00099 U |
| Trichloroethylene | 0.03 | 0.0014 U | -- | 0.00092 U | 0.00079 U | 0.0012 U | 0.00096 U | 0.0009 U | -- | 0.00099 U |
| Vinyl Chloride | -- | 0.0014 U | -- | 0.00092 U | 0.00079 U | 0.0012 U | 0.00096 U | 0.0009 U | -- | 0.00099 U |

Notes:

¹ Sample locations are shown on Figure 1.

² Based on the MTCA Method A Unrestricted or Method B Direct Contact cleanup levels for soil.

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

MTCA = Model Toxics Control Act

NE = Not Established

NWTPH-Dx/Gx = Northwest Total Petroleum Hydrocarbon-Diesel and -Gasoline Extended

U = Not detected above the method detection limit.

J = Estimated value.

 Shading indicates that the identified concentration is greater than the MTCA cleanup level.

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

Italic font type indicates the analyte was not detected but that the method detection limit is greater than the MTCA cleanup level.

Table 1
Chemical Analytical Data--Soil
Pine Avenue Property
Snohomish, Washington

| Sample Identification ¹ | MTCA Cleanup Level ² | GEI-07-7.5 | GEI-07-10.5 | GEI-07-12.5 | GEI-08-5.5 | GEI-08-10.5 | GEI-08-13 | GEI-09-2 | GEI-09-4 | GEI-09-9 |
|---|---------------------------------------|---------------|---------------|---------------|------------|-------------|-----------|-------------|-----------|-----------|
| Petroleum Hydrocarbons by NWTPH-Dx/Gx (mg/kg) | | | | | | | | | | |
| Diesel-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lube oil-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Gasoline-range hydrocarbons | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Metals by EPA Method 6020B | | | | | | | | | | |
| Arsenic | 20 | -- | -- | -- | -- | -- | -- | 4.54 | -- | -- |
| Chlorinated Volatile Organic Compounds by EPA Method 8260D (mg/kg) | | | | | | | | | | |
| cis-1,2-Dichloroethylene | -- | 0.00093 U | 0.0011 U | 0.0011 U | 0.001 U | 0.001 U | 0.00089 U | -- | 0.00082 U | 0.00085 U |
| Tetrachloroethylene | 0.05 | 0.0011 | 0.0026 | 0.0018 | 0.001 U | 0.001 U | 0.00089 U | -- | 0.00082 U | 0.00085 U |
| trans-1,2-Dichloroethylene | -- | 0.00093 U | 0.0011 U | 0.0011 U | 0.001 U | 0.001 U | 0.00089 U | -- | 0.00082 U | 0.00085 U |
| Trichloroethylene | 0.03 | 0.00093 U | 0.0011 U | 0.0011 U | 0.001 U | 0.001 U | 0.00089 U | -- | 0.00082 U | 0.00085 U |
| Vinyl Chloride | -- | 0.00093 U | 0.0011 U | 0.0011 U | 0.001 U | 0.001 U | 0.00089 U | -- | 0.00082 U | 0.00085 U |

Notes:

¹ Sample locations are shown on Figure 1.

² Based on the MTCA Method A Unrestricted or Method B Direct Contact cleanup levels for soil.

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

MTCA = Model Toxics Control Act

NE = Not Established

NWTPH-Dx/Gx = Northwest Total Petroleum Hydrocarbon-Diesel and -Gasoline Extended

U = Not detected above the method detection limit.

J = Estimated value.

Shading indicates that the identified concentration is greater than the MTCA cleanup level.

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

Italic font type indicates the analyte was not detected but that the method detection limit is greater than the MTCA cleanup level.

Table 1
Chemical Analytical Data--Soil
Pine Avenue Property
Snohomish, Washington

| Sample Identification ¹ | MTCA Cleanup Level ² | GEI-10-4.5 | GEI-10-9.5 | GEI-10-14 | GEI-11-5 | GEI-11-10.5 | GEI-11-15 | GEI-12-2 | GEI-12-5 | GEI-12-10.5 | GEI-13-2 |
|---|---------------------------------|------------|------------|-----------|----------|-------------|-----------|-------------|----------|-------------|-------------|
| Petroleum Hydrocarbons by NWTPH-Dx/Gx (mg/kg) | | | | | | | | | | | |
| Diesel-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lube oil-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Gasoline-range hydrocarbons | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Metals by EPA Method 6020B | | | | | | | | | | | |
| Arsenic | 20 | -- | -- | -- | -- | -- | -- | 6.33 | -- | -- | 6.07 |
| Chlorinated Volatile Organic Compounds by EPA Method 8260D (mg/kg) | | | | | | | | | | | |
| cis-1,2-Dichloroethylene | -- | 0.0011 U | 0.001 U | 0.0009 U | 0.0015 U | 0.00094 U | 0.00092 U | -- | 0.0011 U | 0.00091 U | -- |
| Tetrachloroethylene | 0.05 | 0.0011 U | 0.001 U | 0.0009 U | 0.0015 U | 0.00094 U | 0.00092 U | -- | 0.0011 U | 0.00091 U | -- |
| trans-1,2-Dichloroethylene | -- | 0.0011 U | 0.001 U | 0.0009 U | 0.0015 U | 0.00094 U | 0.00092 U | -- | 0.0011 U | 0.00091 U | -- |
| Trichloroethylene | 0.03 | 0.0011 U | 0.001 U | 0.0009 U | 0.0015 U | 0.00094 U | 0.00092 U | -- | 0.0011 U | 0.00091 U | -- |
| Vinyl Chloride | -- | 0.0011 U | 0.001 U | 0.0009 U | 0.0015 U | 0.00094 U | 0.00092 U | -- | 0.0011 U | 0.00091 U | -- |

Notes:

¹ Sample locations are shown on Figure 1.

² Based on the MTCA Method A Unrestricted or Method B Direct Contact cleanup levels for soil.

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

MTCA = Model Toxics Control Act

NE = Not Established

NWTPH-Dx/Gx = Northwest Total Petroleum Hydrocarbon-Diesel and -Gasoline Extended

U = Not detected above the method detection limit.

J = Estimated value.

 Shading indicates that the identified concentration is greater than the MTCA cleanup level.

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

Italic font type indicates the analyte was not detected but that the method detection limit is greater than the MTCA cleanup level.

Table 1
Chemical Analytical Data--Soil
Pine Avenue Property
Snohomish, Washington

| Sample Identification ¹ | MTCA Cleanup Level ² | GEI-13-5.5 | GEI-13-11 | GEI-14-5 | GEI-14-8 | GEI-14-13 | GEI-15-9 | GEI-15-15 | GEI-CB-1 | GEI-CB-2 |
|---|---------------------------------|------------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|
| Petroleum Hydrocarbons by NWTPH-Dx/Gx (mg/kg) | | | | | | | | | | |
| Diesel-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lube oil-range hydrocarbons | 2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Gasoline-range hydrocarbons | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Metals by EPA Method 6020B | | | | | | | | | | |
| Arsenic | 20 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chlorinated Volatile Organic Compounds by EPA Method 8260D (mg/kg) | | | | | | | | | | |
| cis-1,2-Dichloroethylene | -- | 0.0009 U | 0.0011 U | 0.0011 U | 0.00099 U | 0.0011 U | 0.0013 U | 0.0011 U | 0.0025 U | 0.0018 U |
| Tetrachloroethylene | 0.05 | 0.0009 U | 0.0011 U | 0.0011 U | 0.00099 U | 0.0011 U | 0.0013 U | 0.0011 U | 0.0025 U | 0.0018 U |
| trans-1,2-Dichloroethylene | -- | 0.0009 U | 0.0011 U | 0.0011 U | 0.00099 U | 0.0011 U | 0.0013 U | 0.0011 U | 0.0025 U | 0.0018 U |
| Trichloroethylene | 0.03 | 0.0009 U | 0.0011 U | 0.0011 U | 0.00099 U | 0.0011 U | 0.0013 U | 0.0011 U | 0.0025 U | 0.0018 U |
| Vinyl Chloride | -- | 0.0009 U | 0.0011 U | 0.0011 U | 0.00099 U | 0.0011 U | 0.0013 U | 0.0011 U | 0.0025 U | 0.0018 U |

Notes:

¹ Sample locations are shown on Figure 1.

² Based on the MTCA Method A Unrestricted or Method B Direct Contact cleanup levels for soil.

EPA = United States Environmental Protection Agency

mg/kg = milligrams per kilogram

MTCA = Model Toxics Control Act

NE = Not Established

NWTPH-Dx/Gx = Northwest Total Petroleum Hydrocarbon-Diesel and -Gasoline Extended

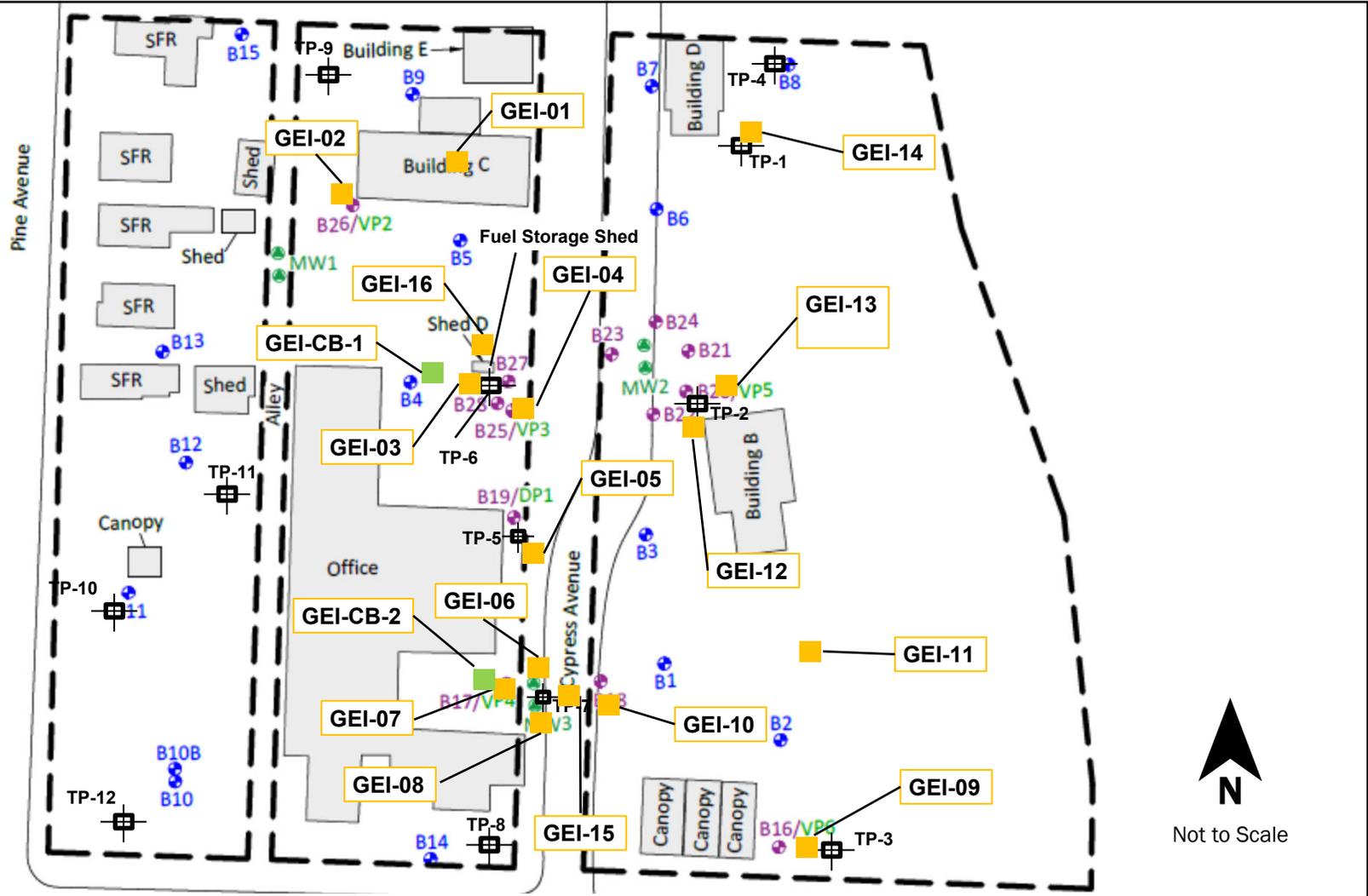
U = Not detected above the method detection limit.

J = Estimated value.

 Shading indicates that the identified concentration is greater than the MTCA cleanup level.

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

Italic font type indicates the analyte was not detected but that the method detection limit is greater than the MTCA cleanup level.



Legend

- = Catch basin sample collected by GeoEngineers, January 2024
- = Boring locations by GeoEngineers, January 2024
- = Groundwater monitoring wells installed by RN, 2023
- = Boring locations by RGI, 10/25/2023 (DP1, VP2 to VP6 by RN, 2023)
- = Boring locations by RGI 10/12/2023 and 10/13/2023
- = Approximate location of test pit by RN, 2023

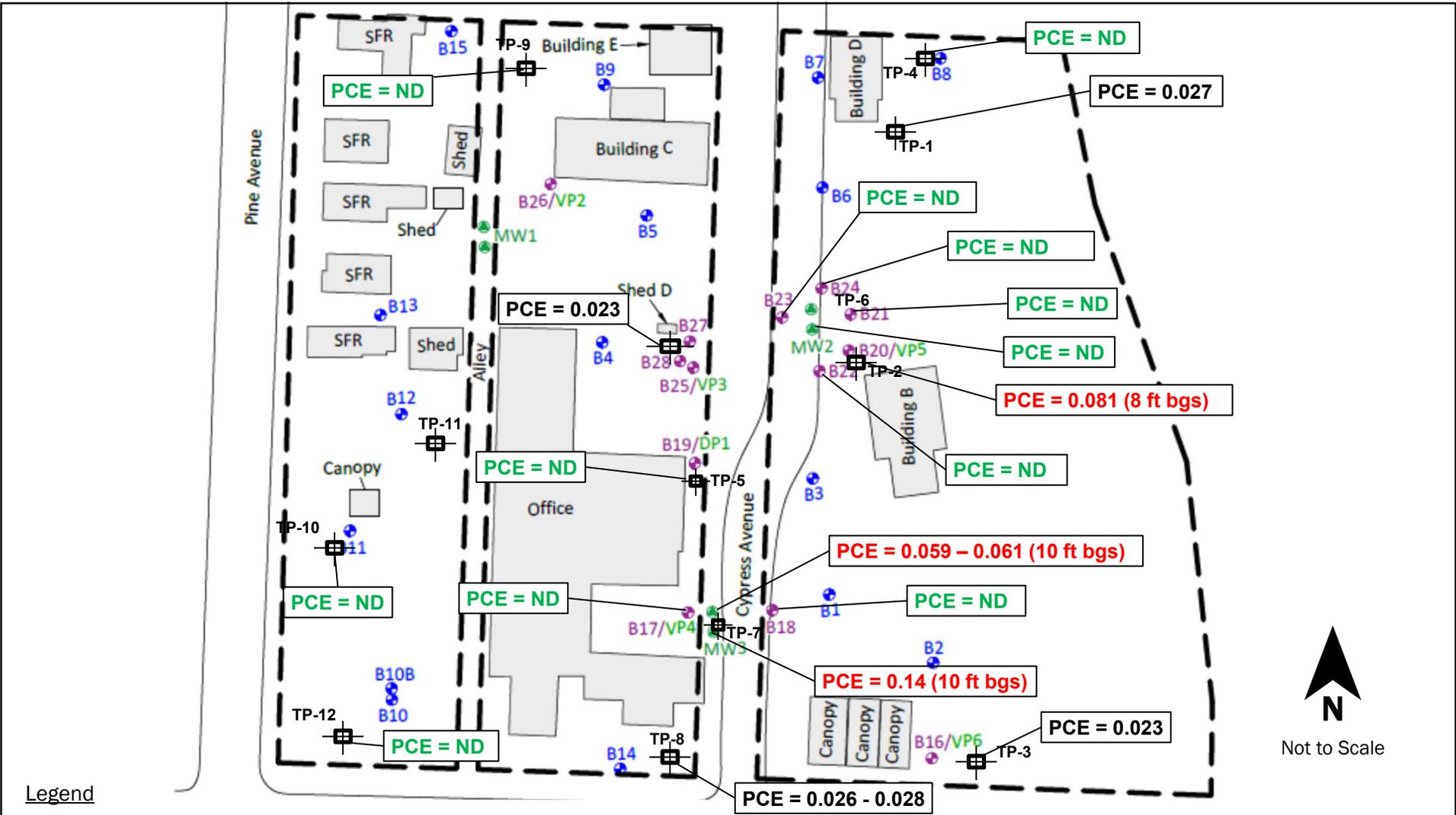
Notes:

Tetrachloroethylene (PCE) concentrations in mg/kg.
 ND = Not detected above reporting limit (shown in green).
 Red concentrations exceed the MTCA Method A CUL.
 RN = Robinson Noble
 RGI = The Riley Group
 MTCA = Model Toxics Control Act
 CUL = Cleanup Level
 Bgs = Below ground surface.

Source(s): Basemap from the Riley Group Technical Memorandum 2 dated October 31, 2023.

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| | |
|---|-----------------|
| Site Plan | |
| Additional Site Characterization Snohomish, Washington | |
| | Figure 1 |



Legend

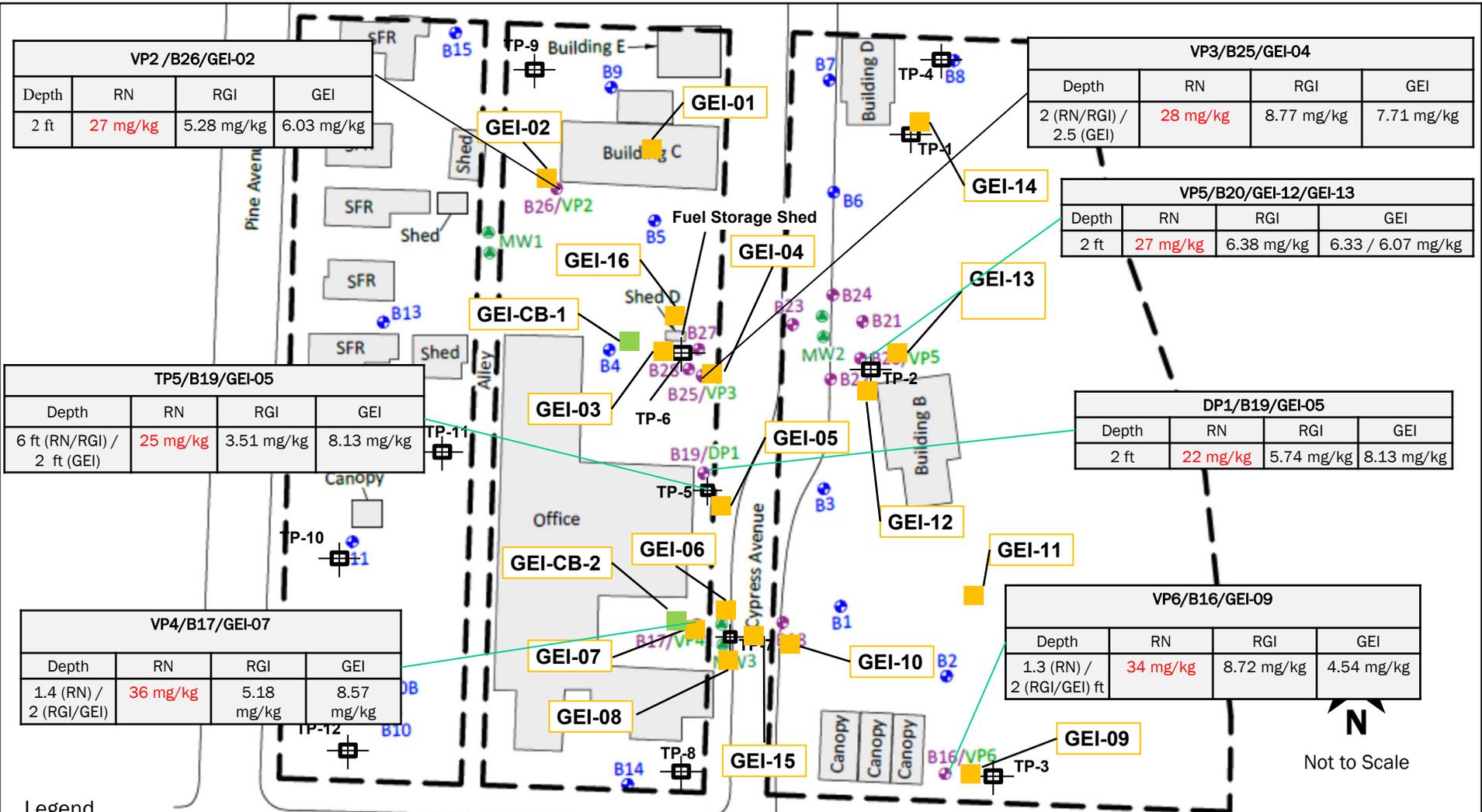
- = Groundwater monitoring wells installed by RN, 2023
- = Boring locations by RGI, 10/25/2023 (DP1, VP2 to VP6 by RN, 2023)
- = Boring locations by RGI 10/12/2023 and 10/13/2023
- = Approximate location of test pit by RN, 2023

Notes:
 Tetrachloroethylene (PCE) concentrations in mg/kg.
 ND = Not detected above reporting limit (shown in green).
 Red concentrations exceeded the MTCA Method A CUL.
 RN = Robinson Noble
 RGI = The Riley Group
 MTCA = Model Toxics Control Act
 CUL = Cleanup Level
 Bgs = Below ground surface.

Source(s): Basemap from the Riley Group Technical Memorandum 2 dated October 31, 2023.

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.

| | |
|--|-----------------|
| Previous Investigation PCE Concentrations in Soil | |
| Additional Site Characterization Snohomish, Washington | |
| | Figure 2 |



Legend

- = Catch basin sample collected by GeoEngineers, January 2024
- = Boring locations by GeoEngineers, January 2024
- = Groundwater monitoring wells installed by RN, 2023
- = Boring locations by RGI, 10/25/2023 (DP1, VP2 to VP6 by RN, 2023)
- = Boring locations by RGI 10/12/2023 and 10/13/2023
- ⊠ = Approximate location of test pit by RN, 2023

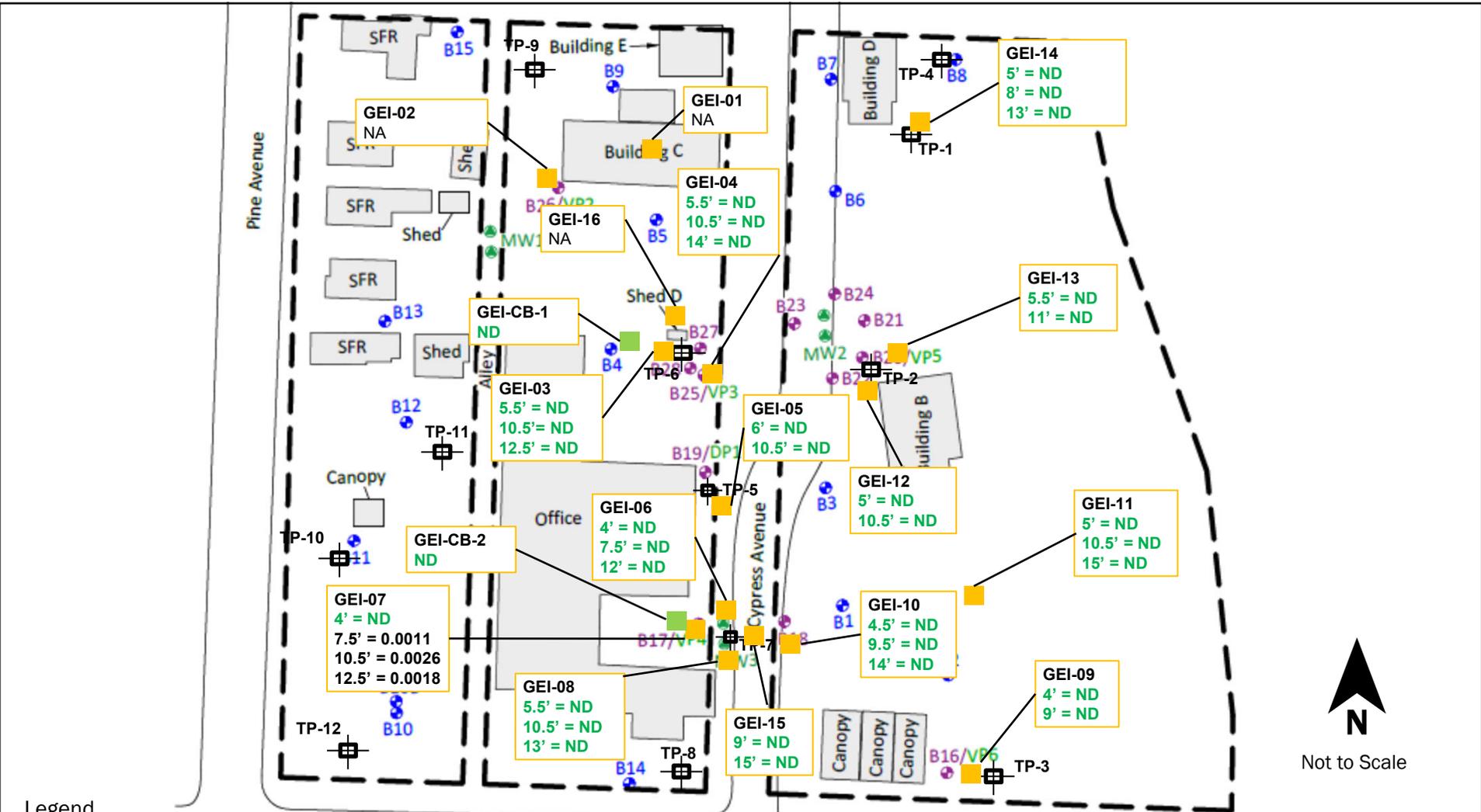
Source(s): Basemap from the Riley Group Technical Memorandum 2 dated October 31, 2023.

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.

Notes:

Arsenic concentrations shown in mg/kg. Red concentrations exceed the MTCA Method A CUL. Reported concentrations less than MTCA CUL only shown for collocated samples. MTCA = Model Toxics Control Act CUL = Cleanup Level RN = Robinson Noble RGI = The Riley Group GEI = GeoEngineers

| | |
|---|-----------------|
| Select Arsenic Concentrations in Soil | |
| Additional Site Characterization Snohomish, Washington | |
|  | Figure 3 |



Legend

- = Catch basin sample collected by GeoEngineers, January 2024
- = Boring locations by GeoEngineers, January 2024
- = Groundwater monitoring wells installed by RN, 2023
- = Boring locations by RGI, 10/25/2023 (DP1, VP2 to VP6 by RN, 2023)
- = Boring locations by RGI 10/12/2023 and 10/13/2023
- = Approximate location of test pit by RN, 2023

Notes:
 Tetrachloroethylene (PCE)
 concentrations in mg/kg.
 ND = Not detected above
 reporting limit (shown in green).
 Red concentrations exceeded the
 MTCA Method A CUL.
 NA = Not analyzed
 RN = Robinson Noble
 RGI = The Riley Group
 MTCA = Model Toxics Control Act
 CB = Catch basin
 CUL = Cleanup Level
 Bgs = Below ground surface.

Source(s): Basemap from the Riley Group Technical Memorandum 2 dated October 31, 2023.
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.

| | |
|---|-----------------|
| PCE Concentrations in Soil—January 2024 | |
| Additional Site Characterization Snohomish, Washington | |
| | Figure 4 |

APPENDIX A
Field Procedures and Boring Log

APPENDIX A FIELD PROCEDURES AND BORING LOGS

As part of this subsurface investigation, environmental soil samples were obtained from 16 borings (GEI-01 through GEI-16). These borings were completed to depths of approximately 4.0 and 15.0 feet below the existing ground surface (bgs). The borings were completed by Cascade Drilling on January 29 and 30, 2024.

Soil Sampling

The borings were completed using a limited access direct-push track rig. The borings were monitored by a geologist from our firm who examined and classified the soils encountered, obtained representative soil samples, and prepared a detailed log of each exploration. The soils encountered in the borings were generally sampled at 2½- and 5-foot vertical intervals with clean plastic 1.5-inch diameter disposable liners.

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

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

Soils encountered in the borings were visually classified in general accordance with the classification system described in Figure A-1. A key to the boring log symbols is also presented in Figure A-1. The logs of the borings are presented in Figures A-2 through A-17.

Field Screening of Soil Samples

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

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

| | |
|---------------------|--|
| No Sheen (NS) | No visible sheen on water surface. |
| Slight Sheen (SS) | Light, colorless, dull sheen; spread is irregular, not rapid; sheen dissipates rapidly. |
| Moderate Sheen (MS) | Light to heavy sheen, may have some color/iridescence; spread is irregular to flowing; few remaining areas of no sheen on water surface. |
| Heavy Sheen (HS) | Heavy sheen with color/iridescence; spread is rapid; entire water surface may be covered with sheen. |

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

Investigation-Derived Waste

Investigation-derived waste (soil and decontamination water) generated during the subsurface assessment was placed into four appropriately labeled 55-gallon drums. Disposal is pending.



SOIL CLASSIFICATION CHART

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

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

Sampler Symbol Descriptions

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

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

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

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

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.

ADDITIONAL MATERIAL SYMBOLS

| SYMBOLS | | TYPICAL DESCRIPTIONS |
|---------|------------|----------------------------|
| GRAPH | LETTER | |
| | AC | Asphalt Concrete |
| | CC | Cement Concrete |
| | CR | Crushed Rock/Quarry Spalls |
| | SOD | Sod/Forest Duff |
| | TS | Topsoil |

Groundwater Contact



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

Graphic Log Contact

Distinct contact between soil strata

Approximate contact between soil strata

Material Description Contact

Contact between geologic units

Contact between soil of the same geologic unit

Laboratory / Field Tests

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

Sheen Classification

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

Key to Exploration Logs

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|----|--------------|-----------|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/29/2024 | End | 1/29/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) | Undetermined | | | Vertical Datum | | Hammer Data | Pneumatic | | | Drilling Equipment | 7822 DT | | |
| Easting (X) | | | | Northing (Y) | | System Datum | NA | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|------------|----------------|------------|------------------|---------------------|-------------|---|----------------------|-------|---------------------------|---------|
| | Interval | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | | 48 | | | | CC | Approximately 3 inches of concrete cement | NS | <1 | No odor throughout boring | |
| | | | | | | ML | Brown silt with sand (moist) | NS | <1 | | |
| | | | | GEI-01-2 CA | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 5 | | 30 | | | | SW | Gray medium to coarse sand with silt and trace gravel (moist) | SS | <1 | | |
| | | | | GEI-01-5,5 CA | | | | NS | <1 | | |
| 10 | | 30 | | | | | | NS | <1 | | |
| | | | | GEI-01-10.5 | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 15 | | | | | | | | | | | |

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

Log of Boring GEI-01



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | |
|------------------------|--------------|------------------|---|--------------|-----|-----------|------------------|--------------------------|
| Date Excavated | 1/29/2024 | Total Depth (ft) | 4 | Logged By | JAK | Excavator | Cascade Drilling | Groundwater not observed |
| | | | | Checked By | PC | Equipment | Hand tools | Caving not observed |
| Surface Elevation (ft) | Undetermined | | | Easting (X) | | | | Coordinate System |
| Vertical Datum | | | | Northing (Y) | | | | Horizontal Datum |
| | | | | | | | | NA |

| Elevation (feet) | Depth (feet) | SAMPLE | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|---|--------------|----------------|---------------------|-------------|----------------------|------------------------------|-------|-----------------------|---------------------------|
| | | Testing Sample | Sample Name Testing | | | | | | |
| | | | | | ML | Brown silt with sand (moist) | | | No odor throughout boring |
| | 1 | | | | | | NS | <1 | |
| | 2 | | GEL-02-2 CA | | | | NS | <1 | |
| | 3 | | | | | | | | |
| | 4 | | | | | | NS | <1 | |
| Boring terminated at approximately 4 feet below ground surface (bgs) due to refusal | | | | | | | | | |

Notes: See Figure A-1 for explanation of symbols.
The depths on the hand-augered boring logs are based on an average of measurements across the hand-auger and should be considered accurate to ½ foot. Easting and northing undetermined.
Coordinates Data Source: Horizontal approximated based on NA. Vertical approximated based on NA.

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_TESTPT_1P_F1W

| | |
|---|---|
| Log of Hand Auger GEI-02 | |
|  | Project: Pine Avenue Project Location: Snohomish, Washington Project Number: 26965-002-01 |
| Figure A-3 Sheet 1 of 1 | |

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|--------------|-----------|-----|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/29/2024 | End | 1/29/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) Vertical Datum | Undetermined | | | | Hammer Data | Pneumatic | | | | Drilling Equipment | 7822 DT | | |
| Easting (X) Northing (Y) | | | | | System Datum | NA | | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|-------------------------|------------|------------------|---------------------|-------------|---|----------------------|-------|---------------------------|---------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 30 | | | | | GP | Approximately 3 inches of gravel cap | NS | <1 | No odor throughout boring | |
| | | | | | | ML | Brown silt with trace sand (moist) | NS | <1 | | |
| | | | | GEI-03-2.5 CA | | | | | | | |
| 5 | 30 | | | | | SW | Brown silty medium to coarse sand with gravel (moist) | NS | <1 | | |
| | | | | GEI-03-5.5 CA | | | | NS | <1 | | |
| | | | | | | | | | | | |
| | | | | GEI-03-10.5 CA | | | | SS | <1 | | |
| 10 | 30 | | | | | | | | | | |
| | | | | GEI-03-12.5 CA | | | | NS | <1 | | |
| 15 | | | | | | | | | | | |

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

Log of Boring GEI-03



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|----|--------------|-----------|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/29/2024 | End | 1/29/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) | Undetermined | | | Vertical Datum | | Hammer Data | Pneumatic | | | Drilling Equipment | 7822 DT | | |
| Easting (X) | | | | Northing (Y) | | System Datum | NA | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|-------------------------|------------|------------------|---------------------|-------------|--|----------------------|-------|-----------------------|---------------------------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 30 | | | | | GP | Approximately 3 inches of gravel cap | | | | No odor throughout boring |
| | | | | | | ML | Brown silt with fine sand (moist) | NS | <1 | | |
| | | | | GEI-04-2.5 CA | | | | | NS | <1 | |
| 5 | 30 | | | | | SW | Gray-brown silty medium to coarse sand with gravel (moist) | | | | |
| | | | | GEI-04-5.5 CA | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| 10 | 48 | | | | | | | | SS | <1 | |
| | | | | GEI-04-10.5 CA | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| 15 | | | | | | ML | Brown silt with sand (moist) | | | | |
| | | | | GEI-04-14 CA | | | | | NS | <1 | |

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

Log of Boring GEI-04



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|--------------|-----------|-----|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/29/2024 | End | 1/29/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) Vertical Datum | Undetermined | | | | Hammer Data | Pneumatic | | | | Drilling Equipment | 7822 DT | | |
| Easting (X) Northing (Y) | | | | | System Datum | NA | | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|-------------------------|------------|------------------|---------------------|-------------|---|----------------------|-------|---------------------------|---------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 24 | | | | | ML | Brown silt with trace sand (moist) | NS | <1 | No odor throughout boring | |
| | | | | | GEI-05-2 CA | | | NS | <1 | | |
| 5 | 18 | | | | | SM | Brown silty fine to coarse sand with gravel (moist) | NS | <1 | | |
| | | | | | GEI-05-6 CA | | | | | | |
| 10 | 30 | | | | | | | SS | <1 | | |
| | | | | | GEI-05-10.5 CA | | | | | | |
| | | | | | CA | | | NS | <1 | | |
| 15 | | | | | | | | | | | |

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

Log of Boring GEI-05



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | |
|---|------------------|------------------------|-----------------------------------|---|--------------------------------|
| Start Drilled 1/29/2024 | End 1/29/2024 | Total Depth (ft) 15 | Logged By Checked By JAK PC | Driller Cascade Drilling | Drilling Method Direct Push |
| Surface Elevation (ft) Vertical Datum Undetermined | | | Hammer Data Pneumatic | Drilling Equipment 7822 DT | |
| Easting (X) Northing (Y) | | | System Datum NA | Groundwater not observed at time of exploration | |
| Notes: Easting and northing undetermined. | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------------------|----------------|------------|-------------------|------------------------|-------------------------|---|-------|--------------------------|---------------------------|
| | Interval Depth (feet) | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | |
| 0 | 48 | | | | | ML | Brown silt with trace fine sand (moist) | NS | <1 | No odor throughout boring |
| 5 | 30 | | | GEL-06-4 CA | | SW | Brown-gray medium to coarse sand with silt and gravel (moist) | NS | <1 | |
| | | | | GEL-06-7.5 CA | | | | SS | <1 | |
| 10 | 30 | | | GEL-06-12.5 CA | | | | SS | | |
| 15 | | | | | | | | NS | | |

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

Log of Boring GEI-06



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Figure A-7
Sheet 1 of 1

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|--------------|-----------|-----|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/29/2024 | End | 1/29/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) Vertical Datum | Undetermined | | | | Hammer Data | Pneumatic | | | | Drilling Equipment | 7822 DT | | |
| Easting (X) Northing (Y) | | | | | System Datum | NA | | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|-------------------------|------------|------------------|---------------------|-------------|---|----------------------|-------|---------------------------|---------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 48 | | | | | GP | Approximately 4 inches of gravel | | | No odor throughout boring | |
| | | | | | | ML | Light brown silt with trace sand (moist) | | | | |
| | | | | | GEI-07-2 CA | | | NS | <1 | | |
| | | | | | GEI-07-4 CA | | | NS | <1 | | |
| 5 | 30 | | | | | SM | Brown-gray medium to coarse sand with gravel and trace silt (moist) | | | | |
| | | | | | GEI-07-7.5 CA | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 10 | 30 | | | | | SW | Light gray gravelly medium to coarse sand with silt (moist) | | | | |
| | | | | | GEI-07-10.5 CA | | | SS | <1 | | |
| | | | | | GEI-07-12.5 CA | | | NS | <1 | | |
| 15 | | | | | | | | | | | |

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

Log of Boring GEI-07



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Figure A-8
Sheet 1 of 1

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|--------------|-----------|-----|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/29/2024 | End | 1/29/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) Vertical Datum | Undetermined | | | | Hammer Data | Pneumatic | | | | Drilling Equipment | 7822 DT | | |
| Easting (X) Northing (Y) | | | | | System Datum | NA | | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|-------------------------|------------|------------------|---------------------|-------------|--|----------------------|-------|---------------------------|---------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 18 | | | | | GP | Approximately 4 inches of gravel | | | No odor throughout boring | |
| | | | | | | ML | Light brown silt with fine sand (moist) | | | | |
| | | | | | | | | NS | <1 | Rock in shoe | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 5 | 30 | | | | | SM | Brown-gray silty fine to coarse sand with gravel (moist) | | | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 10 | 36 | | | | | SW | Gray gravelly fine to coarse sand with silt (moist) | | | | |
| | | | | | | | | SS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 15 | | | | | | | | | | | |

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

Log of Boring GEI-08



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Figure A-9
Sheet 1 of 1

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | |
|---|------------------|--------------------------|-----------------------------------|---|--------------------------------|
| Start Drilled 1/30/2024 | End 1/30/2024 | Total Depth (ft) 15 | Logged By Checked By JAK PC | Driller Cascade Drilling | Drilling Method Direct Push |
| Surface Elevation (ft) Vertical Datum Undetermined | | Hammer Data Pneumatic | | Drilling Equipment 6600 | |
| Easting (X) Northing (Y) | | System Datum NA | | Groundwater not observed at time of exploration | |
| Notes: Easting and northing undetermined. | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|----------------------------|------------|------------------|------------------------|-------------|--|-------------------------|-------|---------------------------|---------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 48 | | | | | TS | Approximately 6 inches of topsoil | NS | <1 | No odor throughout boring | |
| | | | | | | ML | Brown silt with trace sand (moist) | NS | <1 | | |
| | | | | GEL-09-2 CA | | | | NS | <1 | | |
| | | | | GEL-09-4 CA | | | | NS | <1 | | |
| 5 | 48 | | | | | SP-SM | Brown fine to coarse sand with silt and gravel (moist) | NS | <1 | | |
| | | | | GEL-09-9 CA | | | | NS | <1 | | |
| 10 | 48 | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 15 | | | | | | | | NS | <1 | | |

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

Log of Boring GEI-09



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | |
|---|------------------|--------------------------|-----------------------------------|---|--------------------------------|
| Start Drilled 1/30/2024 | End 1/30/2024 | Total Depth (ft) 15 | Logged By Checked By JAK PC | Driller Cascade Drilling | Drilling Method Direct Push |
| Surface Elevation (ft) Vertical Datum Undetermined | | Hammer Data Pneumatic | | Drilling Equipment 6600 | |
| Easting (X) Northing (Y) | | System Datum NA | | Groundwater not observed at time of exploration | |
| Notes: Easting and northing undetermined. | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------------------|----------------|------------|------------------|------------------------|-------------------------|--|-------|--------------------------|---------------------------|
| | Interval Depth (feet) | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | |
| 0 | 54 | | | | | ML | Gray and brown mottled silt with trace fine sand (moist) | NS | <1 | No odor throughout boring |
| 5 | 54 | | | GEL-10-4.5 CA | | | | NS | <1 | |
| 10 | 48 | | | GEL-10-9.5 CA | | SW | Brown fine to coarse sand with silt and gravel (moist) | NS | <1 | |
| 15 | | | | GEL-10-14 CA | | | Grades to gravelly | NS | <1 | |

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

Log of Boring GEL-10



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | |
|---|------------------|--------------------------|-----------------------------------|--|--------------------------------|
| Start Drilled 1/30/2024 | End 1/30/2024 | Total Depth (ft) 15 | Logged By Checked By JAK PC | Driller Cascade Drilling | Drilling Method Direct Push |
| Surface Elevation (ft) Vertical Datum Undetermined | | Hammer Data Pneumatic | | Drilling Equipment 7822 | |
| Easting (X) Northing (Y) | | System Datum NA | | See "Remarks" section for groundwater observed | |
| Notes: Easting and northing undetermined. | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------------------|----------------|------------|-------------------|------------------------|-------------|-------------------------|---|-------|--------------------------|---|
| | Interval Depth (feet) | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 60 | | | | CA | | ML | Brown silt with trace sand (moist) | NS | <1 | No odor throughout boring |
| 5 | 36 | | | GEI-11-5 CA | CA | | SW | Brown-gray fine to coarse sand with silt and gravel (moist) | NS | <1 | Rock in shoe |
| 10 | 60 | | | GEI-11-10.5 CA | | | | Becomes wet | NS | <1 | Perched groundwater observed at approximately 10 feet bgs during drilling |
| 15 | | | | GEI-11-15 CA | | | ML | Gray silt (moist to wet) | NS | <1 | |

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

Log of Boring GEI-11



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|--------------|-----------|-----|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/30/2024 | End | 1/30/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) Vertical Datum | Undetermined | | | | Hammer Data | Pneumatic | | | | Drilling Equipment | 6600 | | |
| Easting (X) Northing (Y) | | | | | System Datum | NA | | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|------------|--------------|----------------|------------|------------------|-------------|----------------------|--|-------|-----------------------|---------------------------|
| | Interval | Depth (feet) | Recovered (in) | Blows/foot | Collected Sample | | | | | | |
| 0 | | 60 | | | | | SM | Dark brown silty fine to medium sand (moist) | | | No odor throughout boring |
| | | | | | GEI-12-2 CA | | SM | Brown sand with silt (moist) | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| 5 | | 36 | | | GEI-12-5 CA | | SM | Brown medium to coarse sand with silt and trace gravel (moist) | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| 10 | | 60 | | | GEI-12-10.5 CA | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| 15 | | | | | | | ML | 4-inch silt lens at 14½ feet | NS | <1 | |
| | | | | | | | SM | | | | |

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

Log of Boring GEI-12



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | |
|---|------------------|--------------------------|-----------------------------------|---|--------------------------------|
| Start Drilled 1/30/2024 | End 1/30/2024 | Total Depth (ft) 15 | Logged By Checked By JAK PC | Driller Cascade Drilling | Drilling Method Direct Push |
| Surface Elevation (ft) Vertical Datum Undetermined | | Hammer Data Pneumatic | | Drilling Equipment 6600 | |
| Easting (X) Northing (Y) | | System Datum NA | | Groundwater not observed at time of exploration | |
| Notes: Easting and northing undetermined. | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|------------|----------------|------------|------------------|------------------------|-------------|--|-------------------------|-------|---------------------------|---------|
| | Interval | Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 54 | | | | | AC ML | Approximately 3 inches of asphalt concrete pavement Brown silt with fine sand (moist) | NS | <1 | No odor throughout boring | |
| | | | | GEI-13-2 CA | | | | SS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | SS | <1 | | |
| 5 | 48 | | | GEI-13-5.5 CA | | SW | Brown-gray medium to coarse sand with silt and trace gravel (moist) | SS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 10 | 48 | | | GEI-13-11 CA | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | ML | Brown silt (moist) | | | | |
| | | | | | | SW | Brown-gray medium to coarse sand with silt and trace gravel (moist) | NS | <1 | | |
| 15 | | | | | | | | | | | |

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

Log of Boring GEI-13



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Figure A-14
Sheet 1 of 1

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | |
|---|------------------|--------------------------|-----------------------------------|---|--------------------------------|
| Start Drilled 1/29/2024 | End 1/29/2024 | Total Depth (ft) 15 | Logged By Checked By JAK PC | Driller Cascade Drilling | Drilling Method Direct Push |
| Surface Elevation (ft) Vertical Datum Undetermined | | Hammer Data Pneumatic | | Drilling Equipment 7822 DT | |
| Easting (X) Northing (Y) | | System Datum NA | | Groundwater not observed at time of exploration | |
| Notes: Easting and northing undetermined. | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|----------------------------|------------|------------------|------------------------|-------------|--|-------------------------|-------|---------------------------|---------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 60 | | | | | SM | Dark brown silty fine to medium sand (moist) | NS | <1 | No odor throughout boring | |
| 5 | 36 | | | GEI-14-5 CA | | SW | Dark brown silty fine to coarse sand with trace gravel (moist) | NS | <1 | | |
| | | | | | | | Decreasing fines with depth | NS | <1 | | |
| 10 | 36 | | | GEI-14-8 CA | | SW | Gray medium to coarse sand with silt and gravel (moist) | NS | <1 | | |
| 15 | | | | GEI-14-13 CA | | | | NS | <1 | | |

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

Log of Boring GEI-14



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | | | | | | |
|---|--------------|-----|-----------|------------------|--------------|-----------|-----|------------|----|---|------------------|-----------------|-------------|
| Start Drilled | 1/30/2024 | End | 1/30/2024 | Total Depth (ft) | 15 | Logged By | JAK | Checked By | PC | Driller | Cascade Drilling | Drilling Method | Direct Push |
| Surface Elevation (ft) Vertical Datum | Undetermined | | | | Hammer Data | Pneumatic | | | | Drilling Equipment | 6600 | | |
| Easting (X) Northing (Y) | | | | | System Datum | NA | | | | Groundwater not observed at time of exploration | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|--------------|-------------------------|------------|------------------|---------------------|-------------|--|----------------------|-------|---------------------------|---------|
| | Depth (feet) | Interval Recovered (in) | Blows/foot | Collected Sample | Sample Name Testing | | | | | | |
| 0 | 60 | | | | | GP | Approximately 4 inches of gravel | NS | <1 | No odor throughout boring | |
| | | | | | | ML | Brown silt with trace sand (moist) | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 5 | 48 | | | | | | | NS | <1 | | |
| | | | | | | SW | Brown fine to coarse sand with silt and gravel (moist) | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 10 | 60 | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| | | | | | | | | NS | <1 | | |
| 15 | | | | | | | | NS | <1 | | |

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

Log of Boring GEI-15



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

| | | | | | | | | | | | |
|---|--------------------|------------------|---------------------|----|-------------------------|-----------|---|------------------|-----------------------|-------------|------|
| Drilled | Start 1/30/2024 | End 1/30/2024 | Total Depth (ft) | 15 | Logged By Checked By | JAK PC | Driller | Cascade Drilling | Drilling Method | Direct Push | |
| Surface Elevation (ft) Vertical Datum | | | Undetermined | | Hammer Data | | Pneumatic | | Drilling Equipment | | 6600 |
| Easting (X) Northing (Y) | | | System Datum | | NA | | Groundwater not observed at time of exploration | | | | |
| Notes: Easting and northing undetermined. | | | | | | | | | | | |

| Elevation (feet) | FIELD DATA | | | | | Graphic Log | Group Classification | MATERIAL DESCRIPTION | Sheen | Headspace Vapor (ppm) | REMARKS |
|------------------|------------|--------------|----------------|------------|------------------|-------------|-------------------------|--|-------|--------------------------|---------------------------|
| | Interval | Depth (feet) | Recovered (in) | Blows/foot | Collected Sample | | | | | | |
| 0 | | | 24 | | | | CC | Approximately 3 inches of concrete cement | NS | <1 | No odor throughout boring |
| | | | | | | | ML | Brown sandy silt (moist) | | | |
| 5 | | | 54 | | | | SW | Brown fine to coarse sand with silt and gravel (moist) | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| 10 | | | 60 | | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| | | | | | | | | | NS | <1 | |
| 15 | | | | | | | | | NS | <1 | |

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

Log of Boring GEI-16



Project: Pine Avenue
Project Location: Snohomish, Washington
Project Number: 26965-002-01

Date: 3/11/24 Path: P:\26_26965002\GINT_2696500201.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_US_JUNE_2017.GLB\GEB_ENVIRONMENTAL_STANDARD_NO_GW

APPENDIX B
Laboratory Analytical Report

**APPENDIX B
LABORATORY ANALYTICAL REPORT**

INTRODUCTION

This appendix documents the results of a quality assurance/quality control (QA/QC) review of the analytical data for samples collected as part of subsurface characterization activities at the proposed City Services and Public Safety Campus (i.e., Pine Avenue Property) project located at 308 Third Street in Snohomish, Washington (project site). Sampling activities were conducted on January 29 and 30, 2024. Soil sample analyses were performed by the accredited environmental laboratory OnSite Environmental Inc. of Redmond, Washington, and Fremont Analytical of Seattle, Washington. Copies of the laboratory reports are included in this appendix.

| Report | Report Date | Sampling Event |
|----------|-------------------|-----------------------------|
| 2401-309 | February 16, 2024 | Additional Characterization |

Data Validation

The QA/QC review included examination and validation of the laboratory data packages for the following:

- Analytical preparation and quantitation methods.
- Analytical method holding times.
- Sample handling.
- Chain-of-custody (COC) protocol handling.
- Detection and reporting limits.
- Method blank detections.
- Laboratory control samples, matrix spikes and surrogates to assess laboratory accuracy.

The QA/QC review did not include a review of raw data.

Data Qualifiers

Any data that are found to have possible bias or error were qualified and flagged. The flags used in the Analytical Data Tables are defined in the laboratory report on pages 29 and 4 on the Onsite and Fremont reports, respectively.

Analytical Methods

Soil and Groundwater sample analyses included the following:

- Gasoline-range petroleum hydrocarbons (TPHg) by Method NWTPH-Gx;

- Diesel-range petroleum hydrocarbons (TPHd) and oil-range petroleum hydrocarbons (TPHo) by Method NWTPH-Dx;
- Volatile Organic Compounds (VOCs) analysis by U.S. Environmental Protection Agency (EPA) Method 8260D;
- Arsenic by EPA Method 6020B

QUALITY ASSURANCE OBJECTIVES AND REVIEW

The general QA/QC objectives for this project were to develop and implement procedures for obtaining, evaluating, and confirming the usability of data of a specified quality for monitoring groundwater quality trends at the project site. To collect such information, analytical data must have an appropriate degree of accuracy and reproducibility, samples collected must be representative of actual field conditions, and samples must be collected and analyzed using unbroken COC procedures.

Reporting limits and analytical results for the samples were compared to Washinton Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A unrestricted Cleanup Levels (CULs). Precision, accuracy, representativeness, completeness, and comparability parameters used to indicate data quality are defined below.

Holding Times and Sample Receipt

The holding time is the minimum amount of time the sample can be stored before analytes start to degrade and are not representative of initial sampling concentrations. Holding times are defined by analytical methods. The groundwater samples included in this QA/QC review were analyzed within the method recommended holding time. The table below outlines sample holding times based on sampling preservation and matrix.

| Method | Matrix | Analyte | Preservative | Hold Time |
|-----------|--------|------------------------------------|---|-----------|
| EPA 8260D | Soil | Volatile Organic Compounds (VOC) | Methanol (MeOH) preserved Glass VOC Analysis (VOA) container with Terracore sampler | 14 days |
| NWTPH-Dx | Soil | Total Petroleum Hydrocarbon (TPH)d | Glass container | 14 days |
| NWTPH-Gx | Soil | TPHg | Methanol (MeOH) preserved Glass VOA container with Terracore sampler | 14 days |
| 6020 | Soil | Total Metals | Glass container | 180 days |

Samples were received on ice below 4° Celcius by the analytical laboratory. Sampling containers arrived intact and unbroken at the laboratories. All COC protocols were appropriately relinquished by the



GeoEngineers sampler and received by the intended environmental laboratory. In general, the COC was filled out with the correct sample ID, sampling date, sampling time and analyses requested.

Reporting Limits

Reporting limits are the lowest concentration an instrument is capable of accurately detecting an analyte. They are determined by the laboratory and are based on instrumentation capabilities, the matrix of field samples, sample preparation procedures and suggested reporting limits by the EPA or Ecology. In some cases, the reporting limits may be raised due to high concentrations of analytes or matrix interferences. Detection limits were generally consistent with industry standards and regulatory standards. Reporting limits for individual samples varied based on the magnitude of the chemical impact.

Method Blanks

A method- or laboratory-blank is a quality control sample prepared by the laboratory from an analyte-free matrix and analyzed in an analytical batch along with environmental and other QC samples. It is used to assess laboratory contamination or background interferences. Analytes were not detected in the laboratory method blanks.

Accuracy

Accuracy compares the accepted reference concentration of an analyte to the concentration determined analytically. Accuracy is measured as a percent recovery. This recovery must be within a certain range—or control limit—for the data in an analytical batch to be considered acceptable. The analytical laboratory provides quality control samples and surrogates to help determine the accuracy and acceptability of the data reported. These quality control samples and surrogates are discussed below.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control duplicate samples (LCSD) were analyzed by the laboratory to assess the accuracy of the analytical methods. One set of LCS and LCSDs were analyzed per analytical batch. The LCS and LCSDs are prepared from an analyte-free matrix that is spiked with known levels of compounds of concern. The concentrations are measured and compared to the known spiked levels. This comparison is expressed as percent recovery. LCS and LCSD percent recoveries were within acceptable control limits.

Matrix Spikes

A matrix spike QC sample is used to assess the performance of the analytical method by determining potential matrix interferences. Matrix spike (MS) and matrix spike duplicate (MSD) analyses are performed on one environmental sample per analytical batch. A matrix spike sample uses an environmental sample that is spiked with known concentrations of analytes of interest. The matrix spike is then prepared and analyzed with the same analytical procedures as environmental samples in the analytical batch. The resulting concentration of the matrix spike is then compared to the known—or true—values plus the non-spiked environmental sample concentration. This comparison is expressed as a percent recovery. MS and MSD percent recoveries were within acceptable control limits.



Surrogates

Surrogates are organic compounds that are similar in chemical composition to the analytes of interest but are not likely to be found in the environment. They are spiked at a known concentration into environmental and batch QC samples prior to sample preparation and analysis. Surrogate recoveries for environmental samples are used to evaluate matrix interference, sample preparation efficiency and analysis performance on a sample-specific basis. Surrogate recoveries were within control limits.

Precision

Precision is measured by how close values of duplicate analyses are to each other. These duplicate analyses are prepared from separate aliquots of the same sample and are analyzed at the same (or similar) time. Precision in the field ensures that samples taken are representative of field concentrations; this is demonstrated by field duplicates. Analytical precision is the ability of the laboratory to reproduce results that are similar to each other; this is measured through duplicate analysis of environmental and batch QC samples. Precision is estimated by the relative percent difference (RPD) between the original analysis and the duplicate analysis.

Laboratory Control Sample Duplicates

The analytical batch LCS concentration of an analyte is compared to the LCSD concentration of the same analyte. The RPD is calculated from these two concentrations, which must be below a certain percentage to be considered acceptable. The RPD values for the laboratory control samples of the same batch were within the method control limit for analytes reported in the data table. The laboratory narrative associated with the LCSD for diesel- and oil-range organics was flagged with an "L" to indicate the RPD is outside of control limits. The case narrative indicated that the LCSD was outside of the control limits due to sample inhomogeneity. The flagged LCSD result was determined to have not affected the reported diesel- and oil-range organic concentrations.

Matrix Spikes

Like the LCS/LCSD, the MS/MSD analyte concentrations are also compared to each other and expressed as an RPD. The RPD values for analytical batch MS/MSD were within the control limit for analytes reported.

CONCLUSION

The overall QA/QC objectives have been met and the data are of adequate quality for use in this project.





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

February 16, 2024

Phil Cordell
GeoEngineers, Inc.
5820 S Kelly Avenue, Suite B
Portland, OR 97239

Re: Analytical Data for Project 26965-002-01
Laboratory Reference No. 2401-309

Dear Phil:

Enclosed are the analytical results and associated quality control data for samples submitted on January 30, 2024.

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,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



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

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: February 16, 2024
Samples Submitted: January 30, 2024
Laboratory Reference: 2401-309
Project: 26965-002-01

Case Narrative

Samples were collected on January 29 and 30, 2024 and received by the laboratory on January 30, 2024. 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.

NWTPH-Dx Analysis

The duplicate RPD is outside of the 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: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

ANALYTICAL REPORT FOR SAMPLES
 page 1 of 2

| Client ID | Laboratory ID | Matrix | Date Sampled | Date Received | Notes |
|-------------|---------------|--------|--------------|---------------|-------|
| GEI-01-2 | 01-309-01 | Soil | 1-29-24 | 1-30-24 | |
| GEI-02-2 | 01-309-04 | Soil | 1-29-24 | 1-30-24 | |
| GEI-03-2.5 | 01-309-05 | Soil | 1-29-24 | 1-30-24 | |
| GEI-03-5.5 | 01-309-06 | Soil | 1-29-24 | 1-30-24 | |
| GEI-03-10.5 | 01-309-07 | Soil | 1-29-24 | 1-30-24 | |
| GEI-03-12.5 | 01-309-08 | Soil | 1-29-24 | 1-30-24 | |
| GEI-04-2.5 | 01-309-09 | Soil | 1-29-24 | 1-30-24 | |
| GEI-04-5.5 | 01-309-10 | Soil | 1-29-24 | 1-30-24 | |
| GEI-04-10.5 | 01-309-11 | Soil | 1-29-24 | 1-30-24 | |
| GEI-04-14 | 01-309-12 | Soil | 1-29-24 | 1-30-24 | |
| GEI-05-2 | 01-309-13 | Soil | 1-29-24 | 1-30-24 | |
| GEI-05-6 | 01-309-14 | Soil | 1-29-24 | 1-30-24 | |
| GEI-05-10.5 | 01-309-15 | Soil | 1-29-24 | 1-30-24 | |
| GEI-06-4 | 01-309-16 | Soil | 1-29-24 | 1-30-24 | |
| GEI-06-7.5 | 01-309-17 | Soil | 1-29-24 | 1-30-24 | |
| GEI-06-12.5 | 01-309-18 | Soil | 1-29-24 | 1-30-24 | |
| GEI-07-2 | 01-309-19 | Soil | 1-29-24 | 1-30-24 | |
| GEI-07-4 | 01-309-20 | Soil | 1-29-24 | 1-30-24 | |
| GEI-07-7.5 | 01-309-21 | Soil | 1-29-24 | 1-30-24 | |
| GEI-07-10.5 | 01-309-22 | Soil | 1-29-24 | 1-30-24 | |
| GEI-07-12.5 | 01-309-23 | Soil | 1-29-24 | 1-30-24 | |
| GEI-08-5.5 | 01-309-25 | Soil | 1-29-24 | 1-30-24 | |
| GEI-08-10.5 | 01-309-27 | Soil | 1-29-24 | 1-30-24 | |
| GEI-08-13 | 01-309-28 | Soil | 1-29-24 | 1-30-24 | |
| GEI-09-2 | 01-309-29 | Soil | 1-30-24 | 1-30-24 | |
| GEI-09-4 | 01-309-30 | Soil | 1-30-24 | 1-30-24 | |
| GEI-09-9 | 01-309-31 | Soil | 1-30-24 | 1-30-24 | |
| GEI-10-4.5 | 01-309-32 | Soil | 1-30-24 | 1-30-24 | |
| GEI-10-9.5 | 01-309-33 | Soil | 1-30-24 | 1-30-24 | |
| GEI-10-14 | 01-309-34 | Soil | 1-30-24 | 1-30-24 | |
| GEI-11-5 | 01-309-35 | Soil | 1-30-24 | 1-30-24 | |
| GEI-11-10.5 | 01-309-36 | Soil | 1-30-24 | 1-30-24 | |
| GEI-11-15 | 01-309-37 | Soil | 1-30-24 | 1-30-24 | |
| GEI-12-2 | 01-309-38 | Soil | 1-30-24 | 1-30-24 | |



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

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: February 16, 2024
Samples Submitted: January 30, 2024
Laboratory Reference: 2401-309
Project: 26965-002-01

ANALYTICAL REPORT FOR SAMPLES
page 2 of 2

| Client ID | Laboratory ID | Matrix | Date Sampled | Date Received | Notes |
|------------------|----------------------|---------------|---------------------|----------------------|--------------|
| GEI-12-5 | 01-309-39 | Soil | 1-30-24 | 1-30-24 | |
| GEI-12-10.5 | 01-309-40 | Soil | 1-30-24 | 1-30-24 | |
| GEI-13-2 | 01-309-41 | Soil | 1-30-24 | 1-30-24 | |
| GEI-13-5.5 | 01-309-42 | Soil | 1-30-24 | 1-30-24 | |
| GEI-13-11 | 01-309-43 | Soil | 1-30-24 | 1-30-24 | |
| GEI-14-5 | 01-309-44 | Soil | 1-29-24 | 1-30-24 | |
| GEI-14-8 | 01-309-45 | Soil | 1-29-24 | 1-30-24 | |
| GEI-14-13 | 01-309-46 | Soil | 1-29-24 | 1-30-24 | |
| GEI-15-9 | 01-309-47 | Soil | 1-30-24 | 1-30-24 | |
| GEI-15-15 | 01-309-48 | Soil | 1-30-24 | 1-30-24 | |
| GEI-CB-1 | 01-309-49 | Soil | 1-30-24 | 1-30-24 | |
| GEI-CB-2 | 01-309-50 | Soil | 1-30-24 | 1-30-24 | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|----------------------|-------------------------|-----------------------|----------|---------------|---------------|-------|
| Client ID: | GEI-03-5.5 | | | | | |
| Laboratory ID: | 01-309-06 | | | | | |
| Gasoline | ND | 5.1 | NWTPH-Gx | 2-1-24 | 2-1-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 99 | 65-126 | | | | |
| Client ID: | GEI-04-5.5 | | | | | |
| Laboratory ID: | 01-309-10 | | | | | |
| Gasoline | ND | 5.7 | NWTPH-Gx | 2-1-24 | 2-1-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 98 | 65-126 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

**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-03-5.5 | | | | | |
| Laboratory ID: | 01-309-06 | | | | | |
| Diesel Range Organics | ND | 28 | NWTPH-Dx | 2-1-24 | 2-1-24 | |
| Lube Oil Range Organics | ND | 55 | NWTPH-Dx | 2-1-24 | 2-1-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 75 | 50-150 | | | | |

| | | | | | | |
|-------------------------|-------------------------|-----------------------|----------|--------|--------|--|
| Client ID: | GEI-04-5.5 | | | | | |
| Laboratory ID: | 01-309-10 | | | | | |
| Diesel Range Organics | ND | 27 | NWTPH-Dx | 2-1-24 | 2-1-24 | |
| Lube Oil Range Organics | ND | 54 | NWTPH-Dx | 2-1-24 | 2-1-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | 83 | 50-150 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-03-5.5 | | | | | |
| Laboratory ID: | 01-309-06 | | | | | |
| Vinyl Chloride | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-6-24 | |
| 1,1-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Trichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Tetrachloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-6-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 98 | 75-130 | | | | |
| <i>Toluene-d8</i> | 101 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 100 | 71-130 | | | | |

| | | | | | | |
|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-03-10.5 | | | | | |
| Laboratory ID: | 01-309-07 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-6-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-6-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 98 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 100 | 71-130 | | | | |

| | | | | | | |
|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-03-12.5 | | | | | |
| Laboratory ID: | 01-309-08 | | | | | |
| Vinyl Chloride | ND | 0.00085 | EPA 8260D | 2-6-24 | 2-6-24 | |
| 1,1-Dichloroethene | ND | 0.00085 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00085 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00085 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Trichloroethene | ND | 0.00085 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Tetrachloroethene | ND | 0.00085 | EPA 8260D | 2-6-24 | 2-6-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 100 | 75-130 | | | | |
| <i>Toluene-d8</i> | 111 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 99 | 71-130 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-04-5.5 | | | | | |
| Laboratory ID: | 01-309-10 | | | | | |
| Vinyl Chloride | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>102</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>100</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>101</i> | <i>71-130</i> | | | | |

| | | | | | | |
|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-04-10.5 | | | | | |
| Laboratory ID: | 01-309-11 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>98</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>100</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>101</i> | <i>71-130</i> | | | | |

| | | | | | | |
|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-04-14 | | | | | |
| Laboratory ID: | 01-309-12 | | | | | |
| Vinyl Chloride | ND | 0.0014 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0014 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0014 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0014 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0014 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0014 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>100</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>101</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>102</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-05-6 | | | | | |
| Laboratory ID: | 01-309-14 | | | | | |
| Vinyl Chloride | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00092 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>101</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>101</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>100</i> | <i>71-130</i> | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-05-10.5 | | | | | |
| Laboratory ID: | 01-309-15 | | | | | |
| Vinyl Chloride | ND | 0.00079 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00079 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00079 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00079 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00079 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00079 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>96</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>99</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>99</i> | <i>71-130</i> | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-06-4 | | | | | |
| Laboratory ID: | 01-309-16 | | | | | |
| Vinyl Chloride | ND | 0.0012 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0012 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0012 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0012 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0012 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0012 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>104</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>100</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>101</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-06-7.5 | | | | | |
| Laboratory ID: | 01-309-17 | | | | | |
| Vinyl Chloride | ND | 0.00096 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00096 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00096 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00096 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00096 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00096 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 98 | 75-130 | | | | |
| <i>Toluene-d8</i> | 102 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 99 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-06-12.5 | | | | | |
| Laboratory ID: | 01-309-18 | | | | | |
| Vinyl Chloride | ND | 0.00090 | EPA 8260D | 2-8-24 | 2-8-24 | |
| 1,1-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Trichloroethene | ND | 0.00090 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Tetrachloroethene | ND | 0.00090 | EPA 8260D | 2-8-24 | 2-8-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 97 | 75-130 | | | | |
| <i>Toluene-d8</i> | 99 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 97 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-07-4 | | | | | |
| Laboratory ID: | 01-309-20 | | | | | |
| Vinyl Chloride | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00099 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 100 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 100 | 71-130 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-07-7.5 | | | | | |
| Laboratory ID: | 01-309-21 | | | | | |
| Vinyl Chloride | ND | 0.00093 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00093 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00093 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00093 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00093 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | 0.0011 | 0.00093 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>102</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>103</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>102</i> | <i>71-130</i> | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-07-10.5 | | | | | |
| Laboratory ID: | 01-309-22 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | 0.0026 | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>99</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>99</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>100</i> | <i>71-130</i> | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-07-12.5 | | | | | |
| Laboratory ID: | 01-309-23 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | 0.0018 | 0.0011 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>98</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>100</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>100</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-08-5.5 | | | | | |
| Laboratory ID: | 01-309-25 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 97 | 75-130 | | | | |
| <i>Toluene-d8</i> | 99 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 96 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-08-10.5 | | | | | |
| Laboratory ID: | 01-309-27 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 99 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 101 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-08-13 | | | | | |
| Laboratory ID: | 01-309-28 | | | | | |
| Vinyl Chloride | ND | 0.00089 | EPA 8260D | 2-6-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00089 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00089 | EPA 8260D | 2-6-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00089 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00089 | EPA 8260D | 2-6-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00089 | EPA 8260D | 2-6-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 99 | 75-130 | | | | |
| <i>Toluene-d8</i> | 99 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 99 | 71-130 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-09-4 | | | | | |
| Laboratory ID: | 01-309-30 | | | | | |
| Vinyl Chloride | ND | 0.00082 | EPA 8260D | 2-8-24 | 2-8-24 | |
| 1,1-Dichloroethene | ND | 0.00082 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00082 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00082 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Trichloroethene | ND | 0.00082 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Tetrachloroethene | ND | 0.00082 | EPA 8260D | 2-8-24 | 2-8-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 99 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 99 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-09-9 | | | | | |
| Laboratory ID: | 01-309-31 | | | | | |
| Vinyl Chloride | ND | 0.00085 | EPA 8260D | 2-8-24 | 2-8-24 | |
| 1,1-Dichloroethene | ND | 0.00085 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00085 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00085 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Trichloroethene | ND | 0.00085 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Tetrachloroethene | ND | 0.00085 | EPA 8260D | 2-8-24 | 2-8-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 98 | 75-130 | | | | |
| <i>Toluene-d8</i> | 99 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 97 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-10-4.5 | | | | | |
| Laboratory ID: | 01-309-32 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 91 | 75-130 | | | | |
| <i>Toluene-d8</i> | 98 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 95 | 71-130 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-10-9.5 | | | | | |
| Laboratory ID: | 01-309-33 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 91 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 99 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-10-14 | | | | | |
| Laboratory ID: | 01-309-34 | | | | | |
| Vinyl Chloride | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 94 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 97 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-11-5 | | | | | |
| Laboratory ID: | 01-309-35 | | | | | |
| Vinyl Chloride | ND | 0.0015 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0015 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0015 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0015 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0015 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0015 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 94 | 75-130 | | | | |
| <i>Toluene-d8</i> | 98 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 94 | 71-130 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-11-10.5 | | | | | |
| Laboratory ID: | 01-309-36 | | | | | |
| Vinyl Chloride | ND | 0.00094 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00094 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00094 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00094 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00094 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00094 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 91 | 75-130 | | | | |
| <i>Toluene-d8</i> | 98 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 98 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-11-15 | | | | | |
| Laboratory ID: | 01-309-37 | | | | | |
| Vinyl Chloride | ND | 0.00092 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00092 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00092 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00092 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 89 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 95 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-12-5 | | | | | |
| Laboratory ID: | 01-309-39 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 93 | 75-130 | | | | |
| <i>Toluene-d8</i> | 98 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 97 | 71-130 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-12-10.5 | | | | | |
| Laboratory ID: | 01-309-40 | | | | | |
| Vinyl Chloride | ND | 0.00091 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00091 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00091 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00091 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00091 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00091 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 90 | 75-130 | | | | |
| <i>Toluene-d8</i> | 98 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 99 | 71-130 | | | | |

| | | | | | | |
|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-13-5.5 | | | | | |
| Laboratory ID: | 01-309-42 | | | | | |
| Vinyl Chloride | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.00090 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 91 | 75-130 | | | | |
| <i>Toluene-d8</i> | 99 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 94 | 71-130 | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-13-11 | | | | | |
| Laboratory ID: | 01-309-43 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 92 | 75-130 | | | | |
| <i>Toluene-d8</i> | 100 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 93 | 71-130 | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-14-5 | | | | | |
| Laboratory ID: | 01-309-44 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>94</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>99</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>94</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-CB-1 | | | | | |
| Laboratory ID: | 01-309-49 | | | | | |
| Vinyl Chloride | ND | 0.0025 | EPA 8260D | 2-9-24 | 2-9-24 | |
| 1,1-Dichloroethene | ND | 0.0025 | EPA 8260D | 2-9-24 | 2-9-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0025 | EPA 8260D | 2-9-24 | 2-9-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0025 | EPA 8260D | 2-9-24 | 2-9-24 | |
| Trichloroethene | ND | 0.0025 | EPA 8260D | 2-9-24 | 2-9-24 | |
| Tetrachloroethene | ND | 0.0025 | EPA 8260D | 2-9-24 | 2-9-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>94</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>94</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>79</i> | <i>71-130</i> | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|--------|--------|--|
| Client ID: | GEI-CB-2 | | | | | |
| Laboratory ID: | 01-309-50 | | | | | |
| Vinyl Chloride | ND | 0.0018 | EPA 8260D | 2-9-24 | 2-9-24 | |
| 1,1-Dichloroethene | ND | 0.0018 | EPA 8260D | 2-9-24 | 2-9-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0018 | EPA 8260D | 2-9-24 | 2-9-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0018 | EPA 8260D | 2-9-24 | 2-9-24 | |
| Trichloroethene | ND | 0.0018 | EPA 8260D | 2-9-24 | 2-9-24 | |
| Tetrachloroethene | ND | 0.0018 | EPA 8260D | 2-9-24 | 2-9-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>97</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>92</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>79</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-14-8 | | | | | |
| Laboratory ID: | 01-309-45 | | | | | |
| Vinyl Chloride | ND | 0.00099 | EPA 8260D | 2-12-24 | 2-12-24 | |
| 1,1-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.00099 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Trichloroethene | ND | 0.00099 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Tetrachloroethene | ND | 0.00099 | EPA 8260D | 2-12-24 | 2-12-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>101</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>99</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>100</i> | <i>71-130</i> | | | | |

| | | | | | | |
|-----------------------------|-------------------------|-----------------------|-----------|---------|---------|--|
| Client ID: | GEI-14-13 | | | | | |
| Laboratory ID: | 01-309-46 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>102</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>98</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>100</i> | <i>71-130</i> | | | | |

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|-----------------------------|-------------------------|-----------------------|-----------|---------|---------|--|
| Client ID: | GEI-15-9 | | | | | |
| Laboratory ID: | 01-309-47 | | | | | |
| Vinyl Chloride | ND | 0.0013 | EPA 8260D | 2-12-24 | 2-12-24 | |
| 1,1-Dichloroethene | ND | 0.0013 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0013 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0013 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Trichloroethene | ND | 0.0013 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Tetrachloroethene | ND | 0.0013 | EPA 8260D | 2-12-24 | 2-12-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>102</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>102</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>100</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | GEI-15-15 | | | | | |
| Laboratory ID: | 01-309-48 | | | | | |
| Vinyl Chloride | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| 1,1-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Trichloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Tetrachloroethene | ND | 0.0011 | EPA 8260D | 2-12-24 | 2-12-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>100</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>99</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>99</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

**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: | MB0201S1 | | | | | |
| Gasoline | ND | 5.0 | NWTPH-Gx | 2-1-24 | 2-1-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Fluorobenzene</i> | 87 | 65-126 | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|----------------------|-----------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 01-309-06 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Gasoline | ND | ND | NA | NA | NA | NA | 30 | |
| <i>Surrogate:</i> | | | | | | | | |
| <i>Fluorobenzene</i> | | | | 99 | 97 | 65-126 | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

**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: | MB0201S1 | | | | | |
| Diesel Range Organics | ND | 25 | NWTPH-Dx | 2-1-24 | 2-1-24 | |
| Lube Oil Range Organics | ND | 50 | NWTPH-Dx | 2-1-24 | 2-1-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>o-Terphenyl</i> | <i>81</i> | <i>50-150</i> | | | | |

| Analyte | Result | Spike Level | Source Result | Percent Recovery | Recovery Limits | RPD | RPD Limit | Flags |
|-------------------------|-------------|-------------|---------------|------------------|-----------------|--------|-----------|-------|
| DUPLICATE | | | | | | | | |
| Laboratory ID: | 01-339-01 | | | | | | | |
| | ORIG | DUP | | | | | | |
| Diesel Range Organics | 2430 | 863 | NA | NA | NA | NA | 95 | 40 L |
| Lube Oil Range Organics | 767 | 306 | NA | NA | NA | NA | 86 | 40 L |
| <i>Surrogate:</i> | | | | | | | | |
| <i>o-Terphenyl</i> | | | | 93 | 87 | 50-150 | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0206S2 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-6-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-6-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-6-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-6-24 | 2-6-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>95</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>100</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>98</i> | <i>71-130</i> | | | | |
| Laboratory ID: | MB0207S1 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-7-24 | 2-7-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>91</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>98</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>97</i> | <i>71-130</i> | | | | |
| Laboratory ID: | MB0208S2 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-8-24 | 2-8-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-8-24 | 2-8-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-8-24 | 2-8-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-8-24 | 2-8-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>99</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>99</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>99</i> | <i>71-130</i> | | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

**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: SB0206S2 | | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| Vinyl Chloride | 0.0435 | 0.0508 | 0.0500 | 0.0500 | 87 | 102 | 68-136 | 15 | 23 | |
| 1,1-Dichloroethene | 0.0433 | 0.0520 | 0.0500 | 0.0500 | 87 | 104 | 75-129 | 18 | 19 | |
| (trans) 1,2-Dichloroethene | 0.0463 | 0.0531 | 0.0500 | 0.0500 | 93 | 106 | 79-133 | 14 | 15 | |
| (cis) 1,2-Dichloroethene | 0.0465 | 0.0536 | 0.0500 | 0.0500 | 93 | 107 | 75-131 | 14 | 15 | |
| Trichloroethene | 0.0481 | 0.0562 | 0.0500 | 0.0500 | 96 | 112 | 80-129 | 16 | 18 | |
| Tetrachloroethene | 0.0475 | 0.0546 | 0.0500 | 0.0500 | 95 | 109 | 77-126 | 14 | 15 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Dibromofluoromethane | | | | | 99 | 102 | 75-130 | | | |
| Toluene-d8 | | | | | 98 | 101 | 78-128 | | | |
| 4-Bromofluorobenzene | | | | | 100 | 99 | 71-130 | | | |
| Laboratory ID: SB0207S1 | | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| Vinyl Chloride | 0.0436 | 0.0441 | 0.0500 | 0.0500 | 87 | 88 | 68-136 | 1 | 23 | |
| 1,1-Dichloroethene | 0.0481 | 0.0475 | 0.0500 | 0.0500 | 96 | 95 | 75-129 | 1 | 19 | |
| (trans) 1,2-Dichloroethene | 0.0485 | 0.0472 | 0.0500 | 0.0500 | 97 | 94 | 79-133 | 3 | 15 | |
| (cis) 1,2-Dichloroethene | 0.0467 | 0.0465 | 0.0500 | 0.0500 | 93 | 93 | 75-131 | 0 | 15 | |
| Trichloroethene | 0.0532 | 0.0536 | 0.0500 | 0.0500 | 106 | 107 | 80-129 | 1 | 18 | |
| Tetrachloroethene | 0.0589 | 0.0561 | 0.0500 | 0.0500 | 118 | 112 | 77-126 | 5 | 15 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Dibromofluoromethane | | | | | 91 | 91 | 75-130 | | | |
| Toluene-d8 | | | | | 100 | 101 | 78-128 | | | |
| 4-Bromofluorobenzene | | | | | 97 | 100 | 71-130 | | | |
| Laboratory ID: SB0208S2 | | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| Vinyl Chloride | 0.0531 | 0.0530 | 0.0500 | 0.0500 | 106 | 106 | 68-136 | 0 | 23 | |
| 1,1-Dichloroethene | 0.0558 | 0.0569 | 0.0500 | 0.0500 | 112 | 114 | 75-129 | 2 | 19 | |
| (trans) 1,2-Dichloroethene | 0.0543 | 0.0549 | 0.0500 | 0.0500 | 109 | 110 | 79-133 | 1 | 15 | |
| (cis) 1,2-Dichloroethene | 0.0526 | 0.0549 | 0.0500 | 0.0500 | 105 | 110 | 75-131 | 4 | 15 | |
| Trichloroethene | 0.0570 | 0.0572 | 0.0500 | 0.0500 | 114 | 114 | 80-129 | 0 | 18 | |
| Tetrachloroethene | 0.0543 | 0.0567 | 0.0500 | 0.0500 | 109 | 113 | 77-126 | 4 | 15 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| Dibromofluoromethane | | | | | 101 | 101 | 75-130 | | | |
| Toluene-d8 | | | | | 100 | 100 | 78-128 | | | |
| 4-Bromofluorobenzene | | | | | 101 | 99 | 71-130 | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0209S1 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-9-24 | 2-9-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-9-24 | 2-9-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-9-24 | 2-9-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-9-24 | 2-9-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-9-24 | 2-9-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-9-24 | 2-9-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | <i>90</i> | <i>75-130</i> | | | | |
| <i>Toluene-d8</i> | <i>98</i> | <i>78-128</i> | | | | |
| <i>4-Bromofluorobenzene</i> | <i>100</i> | <i>71-130</i> | | | | |

| Analyte | Result | | Spike Level | | Percent Recovery | | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------------|---------------|---------------|-------------|--------|------------------|-----|-----------------|-----|-----------|-------|
| SPIKE BLANKS | | | | | | | | | | |
| Laboratory ID: | SB0209S1 | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| Vinyl Chloride | 0.0415 | 0.0425 | 0.0500 | 0.0500 | 83 | 85 | 68-136 | 2 | 23 | |
| 1,1-Dichloroethene | 0.0486 | 0.0482 | 0.0500 | 0.0500 | 97 | 96 | 75-129 | 1 | 19 | |
| (trans) 1,2-Dichloroethene | 0.0501 | 0.0471 | 0.0500 | 0.0500 | 100 | 94 | 79-133 | 6 | 15 | |
| (cis) 1,2-Dichloroethene | 0.0477 | 0.0470 | 0.0500 | 0.0500 | 95 | 94 | 75-131 | 1 | 15 | |
| Trichloroethene | 0.0505 | 0.0514 | 0.0500 | 0.0500 | 101 | 103 | 80-129 | 2 | 18 | |
| Tetrachloroethene | 0.0561 | 0.0549 | 0.0500 | 0.0500 | 112 | 110 | 77-126 | 2 | 15 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 94 | 94 | 75-130 | | | |
| <i>Toluene-d8</i> | | | | | 99 | 102 | 78-128 | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 98 | 98 | 71-130 | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB0212S1 | | | | | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 2-12-24 | 2-12-24 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-12-24 | 2-12-24 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 2-12-24 | 2-12-24 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 2-12-24 | 2-12-24 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 99 | 75-130 | | | | |
| <i>Toluene-d8</i> | 101 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 101 | 71-130 | | | | |

| Analyte | Result | | Spike Level | | Percent Recovery | | Recovery Limits | RPD | RPD Limit | Flags |
|-----------------------------|---------------|---------------|-------------|--------|------------------|-----|-----------------|-----|-----------|-------|
| SPIKE BLANKS | | | | | | | | | | |
| Laboratory ID: | SB0212S1 | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | |
| Vinyl Chloride | 0.0485 | 0.0488 | 0.0500 | 0.0500 | 97 | 98 | 68-136 | 1 | 23 | |
| 1,1-Dichloroethene | 0.0519 | 0.0518 | 0.0500 | 0.0500 | 104 | 104 | 75-129 | 0 | 19 | |
| (trans) 1,2-Dichloroethene | 0.0512 | 0.0530 | 0.0500 | 0.0500 | 102 | 106 | 79-133 | 3 | 15 | |
| (cis) 1,2-Dichloroethene | 0.0522 | 0.0541 | 0.0500 | 0.0500 | 104 | 108 | 75-131 | 4 | 15 | |
| Trichloroethene | 0.0559 | 0.0566 | 0.0500 | 0.0500 | 112 | 113 | 80-129 | 1 | 18 | |
| Tetrachloroethene | 0.0539 | 0.0539 | 0.0500 | 0.0500 | 108 | 108 | 77-126 | 0 | 15 | |
| <i>Surrogate:</i> | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 103 | 108 | 75-130 | | | |
| <i>Toluene-d8</i> | | | | | 101 | 99 | 78-128 | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 100 | 100 | 71-130 | | | |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

% MOISTURE

| Client ID | Lab ID | % Moisture | Date Analyzed |
|------------------|---------------|-------------------|----------------------|
| GEI-01-2 | 01-309-01 | 21 | 2-5-24 |
| GEI-02-2 | 01-309-04 | 25 | 2-5-24 |
| GEI-03-2.5 | 01-309-05 | 16 | 2-5-24 |
| GEI-03-5.5 | 01-309-06 | 9 | 2-5-24 |
| GEI-03-10.5 | 01-309-07 | 10 | 2-5-24 |
| GEI-03-12.5 | 01-309-08 | 9 | 2-5-24 |
| GEI-04-2.5 | 01-309-09 | 18 | 2-5-24 |
| GEI-04-5.5 | 01-309-10 | 7 | 2-5-24 |
| GEI-04-10.5 | 01-309-11 | 17 | 2-5-24 |
| GEI-04-14 | 01-309-12 | 28 | 2-5-24 |
| GEI-05-2 | 01-309-13 | 20 | 2-5-24 |
| GEI-05-6 | 01-309-14 | 11 | 2-5-24 |
| GEI-05-10.5 | 01-309-15 | 10 | 2-5-24 |
| GEI-06-4 | 01-309-16 | 17 | 2-5-24 |
| GEI-06-7.5 | 01-309-17 | 9 | 2-5-24 |
| GEI-06-12.5 | 01-309-18 | 10 | 2-5-24 |
| GEI-07-2 | 01-309-19 | 21 | 2-5-24 |
| GEI-07-4 | 01-309-20 | 19 | 2-5-24 |
| GEI-07-7.5 | 01-309-21 | 9 | 2-5-24 |
| GEI-07-10.5 | 01-309-22 | 14 | 2-5-24 |
| GEI-07-12.5 | 01-309-23 | 7 | 2-5-24 |
| GEI-08-5.5 | 01-309-25 | 10 | 2-5-24 |
| GEI-08-10.5 | 01-309-27 | 7 | 2-5-24 |
| GEI-08-13 | 01-309-28 | 9 | 2-5-24 |
| GEI-09-2 | 01-309-29 | 18 | 2-5-24 |
| GEI-09-4 | 01-309-30 | 21 | 2-5-24 |
| GEI-09-9 | 01-309-31 | 10 | 2-5-24 |



Date of Report: February 16, 2024
 Samples Submitted: January 30, 2024
 Laboratory Reference: 2401-309
 Project: 26965-002-01

% MOISTURE

| Client ID | Lab ID | % Moisture | Date Analyzed |
|------------------|---------------|-------------------|----------------------|
| GEI-10-4.5 | 01-309-32 | 23 | 2-5-24 |
| GEI-10-9.5 | 01-309-33 | 11 | 2-5-24 |
| GEI-10-14 | 01-309-34 | 10 | 2-5-24 |
| GEI-11-5 | 01-309-35 | 25 | 2-5-24 |
| GEI-11-10.5 | 01-309-36 | 10 | 2-5-24 |
| GEI-11-15 | 01-309-37 | 10 | 2-5-24 |
| GEI-12-2 | 01-309-38 | 12 | 2-5-24 |
| GEI-12-5 | 01-309-39 | 10 | 2-5-24 |
| GEI-12-10.5 | 01-309-40 | 11 | 2-5-24 |
| GEI-13-2 | 01-309-41 | 24 | 2-5-24 |
| GEI-13-5.5 | 01-309-42 | 5 | 2-5-24 |
| GEI-13-11 | 01-309-43 | 7 | 2-5-24 |
| GEI-14-5 | 01-309-44 | 6 | 2-5-24 |
| GEI-14-8 | 01-309-45 | 10 | 2-12-24 |
| GEI-14-13 | 01-309-46 | 4 | 2-12-24 |
| GEI-15-9 | 01-309-47 | 9 | 2-12-24 |
| GEI-15-15 | 01-309-48 | 10 | 2-12-24 |
| GEI-CB-1 | 01-309-49 | 54 | 2-9-24 |
| GEI-CB-2 | 01-309-50 | 43 | 2-9-24 |





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





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Seattle, WA 98103
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OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 01-309

Work Order Number: 2402180

February 16, 2024

Attention David Baumeister:

Fremont Analytical, Inc. received 9 sample(s) on 2/12/2024 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com

CLIENT: OnSite Environmental Inc
Project: 01-309
Work Order: 2402180

Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Date/Time Collected | Date/Time Received |
|---------------|------------------|---------------------|--------------------|
| 2402180-001 | GEI-01-2 | 01/29/2024 12:40 PM | 02/12/2024 4:21 PM |
| 2402180-002 | GEI-02-2 | 01/29/2024 12:00 PM | 02/12/2024 4:21 PM |
| 2402180-003 | GEI-03-2.5 | 01/29/2024 10:45 AM | 02/12/2024 4:21 PM |
| 2402180-004 | GEI-04-2.5 | 01/29/2024 10:20 AM | 02/12/2024 4:21 PM |
| 2402180-005 | GEI-05-2 | 01/29/2024 11:25 AM | 02/12/2024 4:21 PM |
| 2402180-006 | GEI-07-2 | 01/29/2024 8:30 AM | 02/12/2024 4:21 PM |
| 2402180-007 | GEI-09-2 | 01/30/2024 10:35 AM | 02/12/2024 4:21 PM |
| 2402180-008 | GEI-12-2 | 01/30/2024 9:20 AM | 02/12/2024 4:21 PM |
| 2402180-009 | GEI-13-2 | 01/30/2024 8:35 AM | 02/12/2024 4:21 PM |

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc

Project: 01-309

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate

CLIENT: OnSite Environmental Inc
Project: 01-309

Lab ID: 2402180-001 **Collection Date:** 1/29/2024 12:40:00 PM
Client Sample ID: GEI-01-2 **Matrix:** Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|-------|------|------------------|----|-----------------------|
| Total Metals by EPA Method 6020 | | | | Batch ID: 42913 | | Analyst: ME |
| Arsenic | 8.63 | 0.245 | | mg/Kg-dry | 1 | 2/14/2024 2:47:00 PM |
| Sample Moisture (Percent Moisture) | | | | Batch ID: R89579 | | Analyst: BS |
| Percent Moisture | 20.9 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |

Lab ID: 2402180-002 **Collection Date:** 1/29/2024 12:00:00 PM
Client Sample ID: GEI-02-2 **Matrix:** Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|-------|------|------------------|----|-----------------------|
| Total Metals by EPA Method 6020 | | | | Batch ID: 42913 | | Analyst: ME |
| Arsenic | 6.03 | 0.233 | | mg/Kg-dry | 1 | 2/14/2024 2:58:00 PM |
| Sample Moisture (Percent Moisture) | | | | Batch ID: R89579 | | Analyst: BS |
| Percent Moisture | 21.8 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |

Lab ID: 2402180-003 **Collection Date:** 1/29/2024 10:45:00 AM
Client Sample ID: GEI-03-2.5 **Matrix:** Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|-------|------|------------------|----|-----------------------|
| Total Metals by EPA Method 6020 | | | | Batch ID: 42913 | | Analyst: ME |
| Arsenic | 5.27 | 0.230 | | mg/Kg-dry | 1 | 2/14/2024 3:01:00 PM |
| Sample Moisture (Percent Moisture) | | | | Batch ID: R89579 | | Analyst: BS |
| Percent Moisture | 13.9 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |

CLIENT: OnSite Environmental Inc
Project: 01-309

Lab ID: 2402180-004

Collection Date: 1/29/2024 10:20:00 AM

Client Sample ID: GEI-04-2.5

Matrix: Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

Total Metals by EPA Method 6020

Batch ID: 42913 Analyst: ME

| | | | | | | |
|---------|------|-------|--|-----------|---|----------------------|
| Arsenic | 7.71 | 0.261 | | mg/Kg-dry | 1 | 2/14/2024 3:03:00 PM |
|---------|------|-------|--|-----------|---|----------------------|

Sample Moisture (Percent Moisture)

Batch ID: R89579 Analyst: BS

| | | | | | | |
|------------------|------|-------|--|-----|---|-----------------------|
| Percent Moisture | 22.9 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |
|------------------|------|-------|--|-----|---|-----------------------|

Lab ID: 2402180-005

Collection Date: 1/29/2024 11:25:00 AM

Client Sample ID: GEI-05-2

Matrix: Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

Total Metals by EPA Method 6020

Batch ID: 42913 Analyst: ME

| | | | | | | |
|---------|------|-------|--|-----------|---|----------------------|
| Arsenic | 8.13 | 0.232 | | mg/Kg-dry | 1 | 2/14/2024 3:10:00 PM |
|---------|------|-------|--|-----------|---|----------------------|

Sample Moisture (Percent Moisture)

Batch ID: R89579 Analyst: BS

| | | | | | | |
|------------------|------|-------|--|-----|---|-----------------------|
| Percent Moisture | 19.0 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |
|------------------|------|-------|--|-----|---|-----------------------|

Lab ID: 2402180-006

Collection Date: 1/29/2024 8:30:00 AM

Client Sample ID: GEI-07-2

Matrix: Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

Total Metals by EPA Method 6020

Batch ID: 42913 Analyst: ME

| | | | | | | |
|---------|------|-------|--|-----------|---|----------------------|
| Arsenic | 8.57 | 0.241 | | mg/Kg-dry | 1 | 2/14/2024 3:13:00 PM |
|---------|------|-------|--|-----------|---|----------------------|

Sample Moisture (Percent Moisture)

Batch ID: R89579 Analyst: BS

| | | | | | | |
|------------------|------|-------|--|-----|---|-----------------------|
| Percent Moisture | 19.1 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |
|------------------|------|-------|--|-----|---|-----------------------|

CLIENT: OnSite Environmental Inc
Project: 01-309

Lab ID: 2402180-007 **Collection Date:** 1/30/2024 10:35:00 AM
Client Sample ID: GEI-09-2 **Matrix:** Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|-------|------|------------------|----|-----------------------|
| Total Metals by EPA Method 6020 | | | | Batch ID: 42913 | | Analyst: ME |
| Arsenic | 4.54 | 0.239 | | mg/Kg-dry | 1 | 2/14/2024 3:15:00 PM |
| Sample Moisture (Percent Moisture) | | | | Batch ID: R89579 | | Analyst: BS |
| Percent Moisture | 16.4 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |

Lab ID: 2402180-008 **Collection Date:** 1/30/2024 9:20:00 AM
Client Sample ID: GEI-12-2 **Matrix:** Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|-------|------|------------------|----|-----------------------|
| Total Metals by EPA Method 6020 | | | | Batch ID: 42913 | | Analyst: ME |
| Arsenic | 6.33 | 0.227 | | mg/Kg-dry | 1 | 2/14/2024 3:18:00 PM |
| Sample Moisture (Percent Moisture) | | | | Batch ID: R89579 | | Analyst: BS |
| Percent Moisture | 9.67 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |

Lab ID: 2402180-009 **Collection Date:** 1/30/2024 8:35:00 AM
Client Sample ID: GEI-13-2 **Matrix:** Soil

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|-------|------|------------------|----|-----------------------|
| Total Metals by EPA Method 6020 | | | | Batch ID: 42913 | | Analyst: ME |
| Arsenic | 6.07 | 0.264 | | mg/Kg-dry | 1 | 2/14/2024 3:20:00 PM |
| Sample Moisture (Percent Moisture) | | | | Batch ID: R89579 | | Analyst: BS |
| Percent Moisture | 23.0 | 0.500 | | wt% | 1 | 2/13/2024 10:20:50 AM |

| | |
|-------------------------|-------------------------------------|
| Client Name: ONSITE | Work Order Number: 2402180 |
| Logged by: Lyann Rivera | Date Received: 2/12/2024 4:21:00 PM |

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
4. Was an attempt made to cool the samples? Yes No NA
5. Were all items received at a temperature of >2°C to 6°C * Yes No NA
6. Sample(s) in proper container(s)? Yes No
7. Sufficient sample volume for indicated test(s)? Yes No
8. Are samples properly preserved? Yes No
9. Was preservative added to bottles? Yes No NA
10. Is there headspace in the VOA vials? Yes No NA
11. Did all samples containers arrive in good condition(unbroken)? Yes No
12. Does paperwork match bottle labels? Yes No
13. Are matrices correctly identified on Chain of Custody? Yes No
14. Is it clear what analyses were requested? Yes No
15. Were all hold times (except field parameters, pH e.g.) able to be met? Yes No

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes No NA

| | |
|---|--|
| Person Notified: <input type="text"/> | Date: <input type="text"/> |
| By Whom: <input type="text"/> | Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: <input type="text"/> | |
| Client Instructions: <input type="text"/> | |

17. Additional remarks:

Item Information

| Item # | Temp °C |
|--------|---------|
| Sample | 0.9 |

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



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

Laboratory: Fremont Analytical

Attention: Chelsea Ward

3600 Fremont Avenue N, Seattle, WA 98103

Phone Number: (206) 352-3790

Turnaround Request

1 Day 2 Day 3 Day

Standard

Other: Results by 2/16

2402180

Laboratory Reference #: 01-309

Project Manager: David Baumeister

email: dbaumeister@onsite-env.com

Project Number: 26965-002-01

Project Name:

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | # of Cont. | Requested Analyses |
|------------|-----------------------|--------------|--------------|--------|------------|-------------------------|
| GEI-01-2 | | 1/29/24 | 12:40 | S | 1 | Total Arsenic EPA 6020B |
| GEI-02-2 | | 1/29/24 | 12:00 | S | 1 | Total Arsenic EPA 6020B |
| GEI-03-2.5 | | 1/29/24 | 10:45 | S | 1 | Total Arsenic EPA 6020B |
| GEI-04-2.5 | | 1/29/24 | 10:20 | S | 1 | Total Arsenic EPA 6020B |
| GEI-05-2 | | 1/29/24 | 11:25 | S | 1 | Total Arsenic EPA 6020B |
| GEI-07-2 | | 1/29/24 | 8:30 | S | 1 | Total Arsenic EPA 6020B |
| GEI-09-2 | | 1/30/24 | 10:35 | S | 1 | Total Arsenic EPA 6020B |
| GEI-12-2 | | 1/30/24 | 9:20 | S | 1 | Total Arsenic EPA 6020B |
| GEI-13-2 | | 1/30/24 | 8:35 | S | 1 | Total Arsenic EPA 6020B |

| Signature | Company | Date | Time | Comments/Special Instructions |
|------------------|---------|---------|-------|-------------------------------|
| Relinquished by: | COE | 2/12/24 | 15:15 | EDDs |
| Received by: | SPEEDY | 2/12/24 | 15:45 | |
| Relinquished by: | SPEEDY | 2/12/24 | 4:21 | |
| Received by: | FAI | 2/12/24 | 16:21 | |
| Relinquished by: | | | | |
| Received by: | | | | |



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

Chain of Custody

| Company Information | | | | | Turnaround Request (in working days) | | Laboratory Number: 01-309 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------------|-------------------------------|--|----------------|--------------------------------------|----------|---|--|---|---|---|----------------|--|----------------------------|--|---------------------------|-----------|--------------------------------|--------------------------------------|----------------------------------|--|--------------------------------|-------------|---------------------------|------------|--|--|--|--|--|--|--|--|--|---------------------------------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company: <u>GEI</u> | | | | | (Check One) | | <table border="1"> <tr> <td><input type="checkbox"/> Same Day</td> <td><input type="checkbox"/> 1 Day</td> <td colspan="12"></td> </tr> <tr> <td><input type="checkbox"/> 2 Days</td> <td><input type="checkbox"/> 3 Days</td> <td colspan="12"></td> </tr> <tr> <td><input checked="" type="checkbox"/> Standard (7 Days)</td> <td></td> <td colspan="12"></td> </tr> <tr> <td><input type="checkbox"/> _____ (other)</td> <td></td> <td colspan="12"></td> </tr> </table> | | | | | | | | | | | | | | <input type="checkbox"/> Same Day | <input type="checkbox"/> 1 Day | | | | | | | | | | | | | <input type="checkbox"/> 2 Days | <input type="checkbox"/> 3 Days | | | | | | | | | | | | | <input checked="" type="checkbox"/> Standard (7 Days) | | | | | | | | | | | | | | <input type="checkbox"/> _____ (other) | | | | | | | | | | | | | |
| <input type="checkbox"/> Same Day | <input type="checkbox"/> 1 Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2 Days | <input type="checkbox"/> 3 Days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Standard (7 Days) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> _____ (other) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Number: <u>26965-002-01</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>PINE AVE</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>DHL CORDELL</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampled by: <u>JAMES KOHN</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab ID | Sample Identification | | | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX (802) <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> | NWTPH-Gx | NWTPH-Dx (SG Clean-up) <input type="checkbox"/> | Volatiles 8260 | Halogenated Volatiles 8260 <u>PCE + BREAKDOWN</u> | 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 PCRA-Metals <u>ARSENIC 6620</u> | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664 | % Moisture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | <u>GEI-01-2</u> | | | <u>1/29/24</u> | <u>1240</u> | <u>S</u> | <u>5</u> | X | X | | | | | | | | | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | <u>GEI-01-5.5</u> | | | | <u>1245</u> | | | X | X | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | <u>GEI-01-10.5</u> | | | | <u>1250</u> | | | X | X | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | <u>GEI-02-2</u> | | | | <u>1200</u> | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | <u>GEI-03-2.5</u> | | | | <u>1045</u> | | | X | X | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | <u>GEI-03-5.5</u> | | | | <u>1050</u> | | | X | X | | | X | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | <u>GEI-03-10.5</u> | | | | <u>1055</u> | | | X | X | | | X | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | <u>GEI-03-12.5</u> | | | | <u>1100</u> | | | | | | | X | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | <u>GEI-04-2.5</u> | | | | <u>1020</u> | | | X | X | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | <u>GEI-04-5.5</u> | | | | <u>1025</u> | | | X | X | | | X | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished | | Signature: <u>[Signature]</u> | | | Company: <u>GEI</u> | | | Date: <u>1/30/24</u> | Time: <u>1426</u> | Comments/Special Instructions: <u>* - PCE, TCE, CIS/TRANS-DCE, 1,1-DCE, VC.</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | Signature: <u>[Signature]</u> | | | Company: <u>DEZ</u> | | | Date: <u>1/30/24</u> | Time: <u>1426</u> | Comments/Special Instructions: <u>⊗ - Added 2/9/24 NO</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished | | | | | | | | | | Comments/Special Instructions: <u>● - Added 2/12/24. DB (4 day TAT)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | | | | | | | | | Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reviewed/Date | | | | | Reviewed/Date | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Chain of Custody

Company: _____
 Project Number: AS
 Project Name: DACE
 Project Manager: ONE
 Sampled by: _____

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

Laboratory Number: 01-309

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers |
|--------|-----------------------|--------------|--------------|--------|----------------------|
| 11 | GEI-04-10.5 | 1/29/24 | 1030 | S | 5 |
| 12 | GEI-04-14 | | 1035 | | |
| 13 | GEI-05-2 | | 1125 | | |
| 14 | GEI-05-6 | | 1130 | | |
| 15 | GEI-05-10.5 | | 1135 | | |
| 16 | GEI-06-4 | | 0950 | | |
| 17 | GEI-06-7.5 | | 0955 | | |
| 18 | GEI-06-12.5 | | 1000 | | |
| 19 | GEI-07-2 | | 0930 | | |
| 20 | GEI-07-4 | | 0935 | | |

| NWTPH-HCID | NWTPH-GxBTEX (8021) 8260 | NWTPH-Gx | NWTPH-Dx (SG Clean-up) | Volatiles 8260 | Halogenated Volatiles 8260 <u>PCE + BREAKDOWN</u> | 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 PGM Metals <u>AS 6020</u> | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664 | % Moisture |
|------------|-------------------------------------|----------|-------------------------------------|----------------|--|----------------------------|--|---------------------------|-----------|--------------------------------|--------------------------------------|----------------------------------|-------------------------------------|-------------------|-------------|---------------------------|-------------------------------------|
| | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | | | | | | | | | <input checked="" type="checkbox"/> |
| | | | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| | | | | | | | | | | | | | <input checked="" type="checkbox"/> | | | | |
| | | | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| | | | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| | | | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | |
| | | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> | | | | |
| | | | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | |

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|---|---------------|---------|------|---|
| Relinquished |  | GEI | 1/29/24 | 1426 | |
| Received |  | Osc | 1/30/24 | 1426 | |
| Relinquished | | | | | |
| Received | | | | | |
| Relinquished | | | | | |
| Received | | | | | |
| Reviewed/Date | | Reviewed/Date | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> |

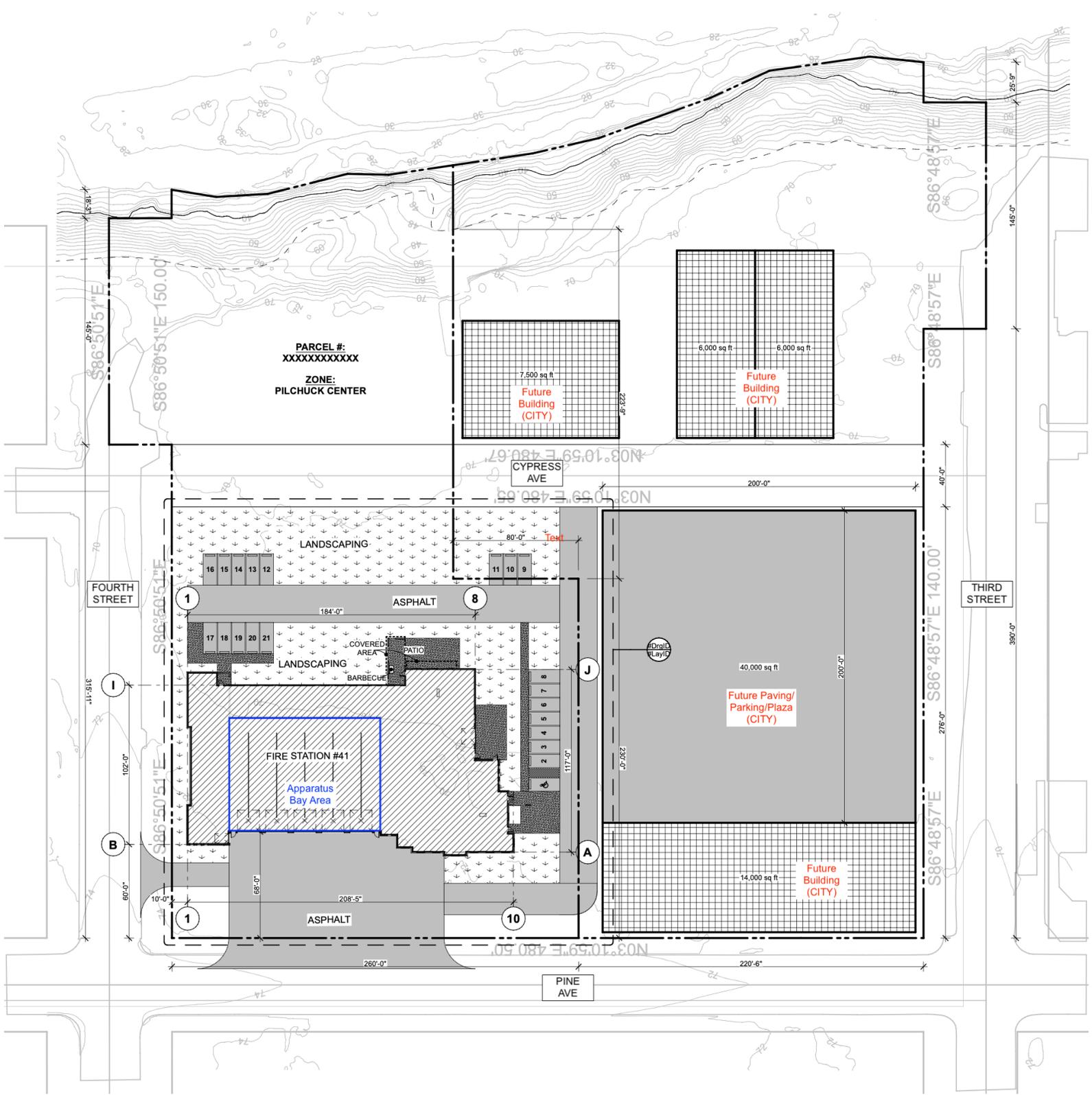
Chain of Custody

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------------------|--|--------------|--------|---|------------|--|----------|---|----------------|----------------------------|----------------------------|--|---------------------------|-----------|--------------------------------|--------------------------------------|----------------------------------|-------------------|-------------------|-------------|---------------------------|------------|--|--|--|
| Company: | | Turnaround Request (in working days) (Check One) <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input checked="" type="checkbox"/> Standard (7 Days) <input type="checkbox"/> _____ (other) | | | Laboratory Number: 01-309 | | | | | | | | | | | | | | | | | | | | | |
| Project Number: | | | | | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX (8021) <input type="checkbox"/> 8260 <input type="checkbox"/> | NWTPH-Gx | NWTPH-Dx (SG Clean-up) <input type="checkbox"/> | Volatiles 8260 | 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 | | | |
| Project Name: | | | | | | AS | | | | | | | | | | | | | | | AS 6020 | | | | | |
| Project Manager: | | | | | | PACE | | | | | | | | | | | | | | | | | | | | |
| Sampled by: | | | | | | ONE | | | | | | | | | | | | | | | | | | | | |
| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | | | | | | | | | | | | | | | | | | | | | | |
| 31 | GEI-09-9 | 1/30/24 | 1045 | S | | | | | | | | | | | | | | | | | | X | | | | |
| 32 | GEI-10-4.5 | | 1020 | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | GEI-10-9.5 | | 1025 | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | GEI-10-14 | | 1030 | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | GEI-11-5 | | 0950 | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | GEI-11-10.5 | | 1000 | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | GEI-11-15 | | 1005 | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | GEI-12-2 | | 0920 | | | | | | | | | | | | | | X | | | | | | | | | |
| 39 | GEI-12-5 | | 0925 | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | GEI-12-10.5 | | 0935 | | | | | | | | | | | | | | | | | | | ✓ | | | | |
| Signature | | Company | | | Date | Time | Comments/Special Instructions | | | | | | | | | | | | | | | | | | | |
| Relinquished | | GEI | | | 1/30 | 1426 | | | | | | | | | | | | | | | | | | | | |
| Received | | OSZ | | | 1/30/24 | 1426 | | | | | | | | | | | | | | | | | | | | |
| Relinquished | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | |
| Reviewed/Date | | Reviewed/Date | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | |

Chain of Custody

| Company: | | Turnaround Request (in working days) | | | Laboratory Number: 01-309 | | | | | | | | | | | | | | | | | | | |
|------------------------------|-----------------------|--|--------------|----------|----------------------------------|-------------|--|----------|---|---|---|----------------------------|--|---------------------------|-----------|--------------------------------|--------------------------------------|----------------------------------|------------------------------------|-------------------|-------------|---------------------------|------------|----------|
| Project Number: | | (Check One) | | | Number of Containers | NWTPH-HCID | NWTPH-GXBTEX (8021) <input type="checkbox"/> 8260 <input type="checkbox"/> | NWTPH-Gx | NWTPH-Dx (SG Clean-up) <input type="checkbox"/> | Volatiles 8260 | Halogenated Volatiles 8260 <i>PCB + BREAK-Down</i> | EDB EPA 8011 (Waters Only) | Semi-volatiles 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 PCBs-Metals <i>A-6020</i> | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664 | % Moisture | |
| Project Name: <i>AS</i> | | <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <i>PAGE</i> | | <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days | | | | | | | | | | | | | | | | | | | | | | |
| Sampled by: <i>ONE</i> | | <input checked="" type="checkbox"/> Standard (7 Days) | | | | | | | | | | | | | | | | | | | | | | |
| | | <input type="checkbox"/> _____ (other) | | | | | | | | | | | | | | | | | | | | | | |
| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-GXBTEX (8021) <input type="checkbox"/> 8260 <input type="checkbox"/> | NWTPH-Gx | NWTPH-Dx (SG Clean-up) <input type="checkbox"/> | Volatiles 8260 | Halogenated Volatiles 8260 <i>PCB + BREAK-Down</i> | EDB EPA 8011 (Waters Only) | Semi-volatiles 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 PCBs-Metals <i>A-6020</i> | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664 | % Moisture | |
| 41 | <i>GEI-13-2</i> | <i>1/20/24</i> | <i>0835</i> | <i>S</i> | <i>5</i> | | | | | | | | | | | | | | | <i>X</i> | | | | <i>X</i> |
| 42 | <i>GEI-13-5.5</i> | <i> </i> | <i>0845</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | | | | | | | | | | | | | <i> </i> |
| 43 | <i>GEI-13-11</i> | <i> </i> | <i>0855</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | | | | | | | | | | | | | <i> </i> |
| 44 | <i>GEI-14-5</i> | <i>1/29/24</i> | <i>1315</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | | | | | | | | | <i>X</i> | | | | <i> </i> |
| 45 | <i>GEI-14-8</i> | <i> </i> | <i>1320</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | <i>45</i> | | | | | | | | | | | | <i>X</i> |
| 46 | <i>GEI-14-13</i> | <i> </i> | <i>1325</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | <i>45</i> | | | | | | | | | | | | <i>X</i> |
| 47 | <i>GEI-15-9</i> | <i>1/20/24</i> | <i>1130</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | <i>45</i> | | | | | | | | | | | | <i>X</i> |
| 48 | <i>GEI-15-15</i> | <i> </i> | <i>1135</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | <i>45</i> | | | | | | | | | | | | <i>X</i> |
| 49 | <i>GEI-CB-1</i> | <i> </i> | <i>1200</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | <i>45</i> | | | | | | | | | | | | <i>X</i> |
| 50 | <i>GEI-CB-2</i> | <i> </i> | <i>1215</i> | <i> </i> | <i> </i> | | | | | | <i>X</i> | <i>45</i> | | | | | | | | | | | | <i>X</i> |
| Signature | | Company | | | Date | Time | Comments/Special Instructions | | | | | | | | | | | | | | | | | |
| <i>[Signature]</i> | | <i>GEI</i> | | | <i>1/20/24</i> | <i>1426</i> | | | | | | | | | | | | | | | | | | |
| <i>[Signature]</i> | | <i>OSE</i> | | | <i>1/30/24</i> | <i>1426</i> | | | | | | | | | | | | | | | | | | |
| Relinquished | | | | | | | | | | | | | | | | | | | | | | | | |
| Received | | | | | | | | | | | | | | | | | | | | | | | | |
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| Reviewed/Date | | | | | Reviewed/Date | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> | | | | | | | | | | | | | | |
| | | | | | | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/> | | | | | | | | | | | | | | |

APPENDIX C
Redevelopment Plans



PARCEL #:
XXXXXXXXXXXX

ZONE:
PILCHUCK CENTER

7,500 sq ft
Future Building
(CITY)

6,000 sq ft
Future Building
(CITY)

40,000 sq ft
Future Paving/
Parking/Plaza
(CITY)

14,000 sq ft
Future Building
(CITY)

FIRE STATION #41
Apparatus
Bay Area

LANDSCAPING

COVERED
AREA
PATIO
BARBECUE

ASPHALT

ASPHALT

CYPRESS
AVE

PINE
AVE

FOURTH
STREET

THIRD
STREET

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APPENDIX D
Report Limitations and Guidelines for Use

APPENDIX D

REPORT LIMITATIONS AND GUIDELINES FOR USE¹

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

Read These Provisions Closely

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

Environmental Services are Performed for Specific Purposes, Persons and Projects

GeoEngineers has prepared this Additional Subsurface Investigation (SI) Results Summary for Snohomish County Fire District No. 4 (Snohomish Fire) for the proposed City Services and Public Safety Campus (i.e., Pine Avenue Property) project located at 308 Third Street in Snohomish, Washington (project site) in general accordance with the scope and limitations of our fully executed proposal, dated January 8, 2024. This report has been prepared for the exclusive use of Snohomish Fire. This report is not intended for use by others, and the information contained herein is not applicable to other properties.

GeoEngineers structures its services to meet the specific needs of its clients. For example, an Environmental Site Assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and property. Use of this report is not recommended for any purpose or project other than as expressly stated in this report.

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

This report has been prepared for the Pine Avenue project in Snohomish, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project. Unless GeoEngineers specifically indicates otherwise, it is important not to rely on this report if it was:

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

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

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

Reliance Conditions for Third Parties

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

Understand that Geotechnical Issues have not been Addressed

Unless geotechnical engineering was specifically included in our scope of service, this report does not provide any geotechnical findings, conclusions, or recommendations, including but not limited to, the suitability of subsurface materials for construction purposes.

Do Not Separate Documentation from the Report

Environmental reports often include supplemental documentation, such as maps, figures and tables. Do not separate such documentation from the report. Further, do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.

Environmental Regulations Change and Evolve

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

Uncertainty May Remain Even After this Subsurface Investigation is Completed

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

Subsurface Conditions Can Change

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by man-made events such as construction on or adjacent to the subject property, by new releases of hazardous substances, new information or technology that become available subsequent to the report date, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Please contact GeoEngineers before



applying this report for its intended purpose so that GeoEngineers may evaluate whether changed conditions affect the continued applicability of the report.

Soil and Groundwater End Use

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

Most Environmental Findings are Professional Opinions

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

Biological Pollutants

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

A Client that desires these specialized services is advised to obtain them from a consultant who offers services in this specialized field.

Information Provided by Others

GeoEngineers has relied upon certain data or information provided or compiled by others in the performance of our services. Although we use sources that we reasonably believe to be trustworthy, GeoEngineers cannot warrant or guarantee the accuracy or completeness of information provided or compiled by others.

