ENVIRONMENTAL SOIL AND SOIL VAPOR SAMPLING AND TESTING
MANNERS PARK
18 MANNERS PARK ROAD
TAYLORVILLE, ILLINOIS

Prepared for:

TAYLORVILLE PARK DISTRICT
TAYLORVILLE, ILLINOIS

Prepared by:

GEOTECHNOLOGY, LLC, DBA UES
ST. LOUIS, MISSOURI

Date:

MAY 20, 2024

Project No.:

J044644.02

SAFETY
TEAMWORK
RESPONSIVENESS
INTEGRITY
VALUE
EXCELLENCE

May 20, 2024

Ms. Marlane Miller
Taylorville Park District
PO Box 263
Taylorville, Illinois 62568

Re: Environmental Soil and Soil Vapor Sampling and Testing
Manners Park
18 Manners Park Road
Taylorville, Illinois
Project No. J044644.02

Dear Ms. Miller:

Geotechnology, LLC dba UES, is pleased to submit the results of our Environmental Soil and Soil Vapor Sampling and Testing at the referenced site in accordance with our Work Authorization J044644.01 dated March 11, 2024, and executed by Taylorville Park District on March 21, 2024.

PROJECT BACKGROUND

The Site consists of Manners Park (Site) located just east of the Ameren former Manufactured Gas Plant (MGP) site along South Webster Street in Taylorville, Illinois. The Site location and topography are shown on Figure 1. The Site is a public park that is operated by the Taylorville Park District. An aerial site map is shown on Figure 2. Additional information about the MGP site is available through Ameren and the Illinois Environmental Protection Agency (IEPA).

The main contaminants of concern at the MGP site are volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) including polynuclear aromatic hydrocarbons compounds (PNAs/PAHs). The Ameren former MGP site has a reportedly long history of contaminant releases to soil, groundwater, and air. The Site sampling is for screening purposes to assess risks in the targeted sampling areas at the Park property.

Topography

As indicated on Figure 1, the topography of the Site area is relatively flat and generally sloped toward the south toward the South Fork Sangamon River.

Geology and Hydrogeology

The Site is underlain by glacial soils that include loess comprised of sand, silt, and clay. Groundwater is present in a sand and gravel unit that extends to bedrock at a depth of approximately 90 feet. Groundwater depths are reported to be approximately 13 feet to 18 feet in the vicinity of the Site.

Surrounding Land Use
The west adjacent property across South Webster Street is the Ameren former MGP Site. A railroad right-of-way (ROW) is located to the north of the Site. Residences are present east and west of the Site. Additional residential properties, undeveloped property, and the South Fork Sangamon River are to the south of the Site.

Project Scope and Objective
The environmental soil and soil vapor sampling and testing was performed at the request of the Taylorville Park District and is for screening purposes to assess potential environmental risks based on the targeted sampling areas at the Site. A Quality Assurance Project Plan (QAPP) was prepared to support the project activities briefly summarized below.

Ambient air monitoring – Ambient air monitoring is planned on the Site if Ameren's proposed In-Situ Stabilization (ISS) implementation proceeds. Implementation of ISS can mobilize/partition VOCs from soil to ambient air due to the ISS mechanical mixing process. We understand that odors from the MGP site were reportedly present on the Park property during the ISS work completed during August and September 2023. Ameren's air monitoring data collected during the ISS work indicates VOC releases to ambient air and a possible VOC exposure risk to park visitors at the time of the ISS work.

Soil vapor testing – Soil vapor testing on the Site was conducted to assess soil vapor concentrations that could affect future buildings on the Park property via vapor intrusion (VI) or construction workers performing future excavation work on the Park property. Underground utilities near the Ameren former MGP site are also considered a potential vapor migration pathway.

Soil testing – Surface soil sampling and testing was completed in several areas of the Site as shown on Figure 2. Surface soil just east of South Webster Street could be affected by wind dispersal or surface water runoff of impacted surface soil on the Ameren former MGP site during the 55-year period that the MGP site reportedly sat idle (e.g., 1932-1987).

The Site area is subject to a groundwater use ordinance that effectively eliminates the groundwater exposure pathway (i.e., ingestion of groundwater). Groundwater sampling and testing was not conducted as part of our scope of service.

FIELD SAMPLING

Surface Soil Sampling
Surface soil sampling locations are shown on Figure 2. Discreet, soil grab samples were collected below the vegetative organic surface layer within an approximate one-foot square area. Vegetative organic matter was not part of the surface soil sample. Personnel performing soil sampling wore a new pair of nitrile or polyethylene gloves for collection of each surface soil sample. Surface soil sampling hand tools (e.g., trowel, shovel) were decontaminated using Alconox and a potable water rinse prior to sample collection. Each surface soil sample was placed in a stainless steel bowl (or equivalent) prior to placement in the laboratory sample container.

Surface soil samples were place in sample containers provided by the analytical laboratory and submitted for analytical testing of semi-volatile organic compounds (SVOCs) and polynuclear aromatic hydrocarbons (PAHs) using USEPA Method 8270 SIM. Two equipment blank samples and one duplicate surface soil sample were collected.

Soil Vapor Sampling

Six soil vapor sampling probes (SVP) were installed at the locations shown on Figure 2. Soil samples were collected during soil vapor probe installation for soil classification. The soil samples were classified by an engineer and screened on-site for VOCs using a calibrated photoionization detector (PID). A drill rig was utilized to install the SVPs. SVPs were constructed with a 6-inch long stainless steel, slotted vapor probe with teflon tubing to the surface. A filter pack consisting of silica sand was placed below and above the 6-inch slotted vapor probe. The soil vapor probes were placed above groundwater at depths of approximately 9 to 10 feet below land surface within the six soil vapor probe borings. Bentonite was placed above the silica sand to the surface. The SVPs were finished at the surface with 2-foot-by-2-foot concrete pads and steel flush-mount locking covers.

Drilling and sampling equipment were decontaminated between boring locations using a non-phosphate wash and tap water rinse. Soil boring logs and soil vapor probe diagrams are in Appendix A.

Prior to sampling, each SVP was purged of approximately three probe volumes using a syringe purging assembly. Leak tests were performed with isopropanol. After purging, soil vapor samples were collected using laboratory-certified, 1.4 liter summa canisters. One duplicate sample was collected. The summa canisters were labeled and submitted using standard chain-of-custody procedures to Teklab, Inc. for analysis of VOCs per USEPA Method TO-15.

RESULTS

Surface Soil

A summary of surface soil testing results are in Table 1. Copies of the laboratory analytical reports are included in Appendix B. The laboratory analytical reports are provided in Appendix B. The analytical testing results were compared to Illinois' Tiered Approach to Corrective Action Objectives (TACO) for residential properties. The PAHs that exist at the MGP site are also present in background soils due to wide-spread man-made sources such as fuel combustion and industrial processes. PAHs are persistent compounds in the environment. PAH background concentrations published by the IEPA are provided in Appendix C. Overall, the PAH concentrations detected in surface soil samples at Manners Park are either within IEPA published background concentrations (non-metropolitan statistical areas) or are below the residential TACO concentrations. Based on the limited surface soil sampling and testing, it is our opinion that a surface soil exposure risk is not present in the targeted sampling area at Manners Park.

Soil Vapor

A summary of the soil vapor analytical testing results is presented in Table 2. Copies of the laboratory analytical reports are included in Appendix B. The analytical testing results were compared to TACO levels for Construction Worker and Residential indoor inhalation exposure routes. Various VOCs were detected in the soil vapor samples at concentrations below both the Construction Worker and Residential TACO levels. Based on the limited soil vapor sampling and testing, it is our opinion that a soil vapor exposure risk is not present in the targeted sampling area at Manners Park.

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The following attachments are part of this report:

Table 1	-	Surface Soil Analytical Results Summary
Table 2	-	Soil Vapor Analytical Results Summary
Figure 1	-	Site Location and Topography
Figure 2	-	Aerial Site Map
Appendix A	-	Boring Logs and Soil Vapor Probe Diagrams
Appendix B	-	Laboratory Analytical Reports
Appendix C	-	IEPA PAH Concentrations in Background Soils
Appendix D	-	Limitations of Report

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We appreciate the opportunity to provide services to the Taylorville Park District. Please contact me if you have questions or additional information is needed.

Very truly yours,

UES

Kenny Hemmen, IL LPG
Senior Project Manager

3-31-25

SPL/KJH/MSR:spl/jsj

TABLE 1

SURFACE SOIL ANALYTICAL RESULTS SUMMARY
MANNERS PARK
TAYLORVILLE, ILLINOIS

Parameter	Sample No. / Date Collected	TIER i[1] (mg/kg)	Background[2] (mg/kg)	SS-1 4/15/2024	SS-2 4/15/2024	SS-3 4/15/2024	SS-4 4/16/2024	SS-5 4/16/2024	SS-6 4/16/2024	SS-7 4/16/2024	SS-8 4/17/2024	SS-9 4/17/2024	SS-10 4/17/2024	SS-11 4/17/2024	SS-12 4/17/2024	SS-13 4/17/2024	SS-14 4/17/2024	SS-15 4/17/2024	SS-16 4/17/2024	SS-17 4/17/2024	SS-18 4/17/2024	SS-19 4/17/2024	SS-20 4/17/2024	SS-21 4/17/2024	SS-22EB 4/17/2024	SS-23EB 4/16/2024	SS-24DUP 4/16/2024
1-Methylnaphthalene		NE	NE	0.024 J	< 0.0223	< 0.0213	< 0.0204	< 0.0211	< 0.0194	< 0.0204	0.0025 J	0.0041 J	< 0.0195	< 0.0185	< 0.0198	0.0022 J	0.0022 J	0.0024 J	< 0.0186	< 0.0193	< 0.0190	< 0.0191	< 0.0209	< 0.0201	< 0.00125	< 0.00109	< 0.0845
2-Methylnaphthalene		NE	0.29	0.028 J	< 0.0223	< 0.0213	< 0.0204	< 0.0211	< 0.0194	< 0.0204	0.0021 J	0.0037 J	< 0.0195	< 0.0185	< 0.0198	0.0030 J	0.0029 J	0.0020 J	< 0.0186	< 0.0193	< 0.0190	< 0.0191	0.0025 J	< 0.0201	< 0.00125	< 0.00109	< 0.0845
Acenaphthene		4,700	0.04	0.0315	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	< 0.0042	< 0.0042	< 0.0042	< 0.0040	< 0.0038	< 0.0040	0.0115	0.0101	< 0.0040	< 0.0038	< 0.0039	< 0.0039	< 0.0039	< 0.0043	< 0.0041	< 0.00025	< 0.00022	< 0.0172
Acenaphthylene		NE	0.04	0.0688	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	< 0.0042	< 0.0042	0.0025 J	< 0.0040	< 0.0038	< 0.0040	< 0.0038	< 0.0037	0.0016 J	< 0.0038	< 0.0039	< 0.0039	< 0.0039	0.0017 J	< 0.0041	< 0.00025	< 0.00022	0.0067 J
Anthracene		23,000	0.14	0.108	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	< 0.0042	< 0.0042	0.0054	0.0019 J	< 0.0038	0.0028 J	0.0308	0.0311	0.0020 J	0.0026 J	0.0038 J	0.0042	< 0.0039	0.0088	0.0044	< 0.00025	< 0.00022	0.014 J
Benzo(a)anthracene		0.9	0.72	0.594	0.0031 J	< 0.0128	< 0.0122	< 0.0126	< 0.0116	0.011 J	0.0083 J	0.0534	0.0265	0.0037 J	0.0225	0.414	0.296	0.0192	0.0215	0.0223	0.0208	0.0057 J	0.0547	0.0273	< 0.00025	< 0.00022	0.132
Benzo(a)pyrene		0.09	0.98	0.665	0.0058	0.0034 J	0.0024 J	< 0.0043	0.0019 J	0.0143	0.0108	0.0646	0.0347	0.0044	0.0197	0.487	0.322	0.0216	0.0219	0.0223	0.0178	0.0061	0.0459	0.0245	< 0.00025	< 0.00022	0.142
Benzo(b)fluoranthene		0.9	0.7	0.798	0.0080	0.0047	0.0028 J	< 0.0043	0.0027 J	0.0200	0.0161	0.102	0.0498	0.0063	0.0248	0.627	0.432	0.0322	0.0274	0.0281	0.0242	0.0080	0.0601	0.0326	< 0.00025	< 0.00022	0.202
Benzo(g,h,i)perylene		NE	0.84	0.397	0.0040 J	0.0021 J	< 0.0041	< 0.0043	< 0.0040	0.0090	0.0062	0.0319	0.0152	0.0022 J	0.0126	0.189	0.122	0.0114	0.0082	0.0092	0.0076	0.0038 J	0.0238	0.0145	< 0.00025	< 0.00022	0.103
Benzo(k)fluoranthene		9.0	0.63	0.285	0.0031 J	< 0.0043	< 0.0041	< 0.0043	< 0.0040	0.0069	0.0066	0.0335	0.0175	< 0.0038	0.0091	0.217	0.153	0.0118	0.0108	0.0100	0.0087	0.0034 J	0.0238	0.0133	< 0.00025	< 0.00022	0.0725
Biphenyl		NE	NE	< 0.0201	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	< 0.0042	< 0.0042	< 0.0042	< 0.0040	< 0.0038	< 0.0040	< 0.0038	0.0029 J	< 0.0040	< 0.0038	< 0.0039	< 0.0039	< 0.0039	< 0.0043	< 0.0041	< 0.00025	< 0.00022	< 0.0172
Bis(2-ethylhexyl)phthalate		46	NE	< 0.395	< 0.0894	< 0.0855	< 0.0817	< 0.0845	< 0.0779	< 0.0818	< 0.0832	0.022 J	0.027 J	0.035 J	0.025 J	0.117	0.0791	< 0.0789	0.021 J	< 0.0774	< 0.0761	< 0.0766	< 0.0839	< 0.0808	0.00508	0.0014 J	< 0.339
Chrysene		88	1.1	0.653	0.0049	0.0034 J	0.0016 J	< 0.0043	0.0016 J	0.0110	0.0108	0.0666	0.0273	0.0041	0.0221	0.459	0.339	0.0196	0.0204	0.0185	0.0163	0.0057	0.0517	0.0213	< 0.00025	< 0.00022	0.143
Dibenzo(a,h)anthracene		0.09	0.15	0.0865	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	< 0.0042	< 0.0042	0.0091	0.0035 J	< 0.0038	0.0032 J	0.0590	0.0401	0.0031 J	0.0026 J	0.0031 J	0.0023 J	< 0.0039	0.0083	0.0044	< 0.00025	< 0.00022	0.0253
Diethyl phthalate		63,000	NE	< 0.590	< 0.134	< 0.128	< 0.122	< 0.126	< 0.116	< 0.122	< 0.124	< 0.124	< 0.117	< 0.111	< 0.118	< 0.111	< 0.108	< 0.118	< 0.111	< 0.115	< 0.114	< 0.114	< 0.125	< 0.121	0.00040 J	< 0.00217	< 0.506
Dimethyl phthalate		NE	NE	< 0.590	< 0.134	< 0.128	< 0.122	< 0.126	< 0.116	< 0.122	< 0.124	< 0.124	< 0.117	< 0.111	< 0.118	< 0.111	< 0.108	< 0.118	< 0.111	< 0.115	< 0.114	< 0.114	< 0.125	< 0.121	< 0.00250	< 0.00217	< 0.506
Di-n-butyl phthalate		NE	NE	< 0.201	< 0.0454	< 0.0434	< 0.0415	< 0.0429	< 0.0396	< 0.0415	< 0.0422	< 0.0422	< 0.0397	< 0.0377	< 0.0402	< 0.0379	< 0.0369	< 0.0401	< 0.0378	< 0.0393	< 0.0386	< 0.0389	< 0.0426	< 0.0410	0.00070 J	0.00050 J	< 0.172
Fluoranthene		3,100	1.8	1.23	0.0080	0.0060	0.0028 J	< 0.0043	0.0043	0.0204	0.0182	0.123	0.0537	0.0070	0.0264	0.572	0.415	0.0357	0.0285	0.0312	0.0303	0.0088	0.0759	0.0446	< 0.00025	< 0.00022	0.243
Fluorene		3,100	0.04	0.0354	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	< 0.0042	< 0.0042	< 0.0042	< 0.0040	< 0.0038	< 0.0040	0.0045	0.0051	< 0.0040	< 0.0038	< 0.0039	< 0.0039	< 0.0039	< 0.0043	< 0.0041	< 0.00025	< 0.00022	< 0.0172
Indeno(1,2,3-cd)pyrene		0.9	0.51	0.342	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	0.0073	0.0058	0.0286	0.0148	< 0.0038	0.0095	0.185	0.116	0.0102	0.0082	0.0089	0.0072	0.0034 J	0.0234	0.0141	< 0.00025	< 0.00022	0.0843
m,p-Cresol		NE	NE	< 0.0590	< 0.0134	< 0.0128	< 0.0122	< 0.0126	< 0.0116	< 0.0122	< 0.0124	< 0.0124	< 0.0117	< 0.0111	< 0.0118	< 0.0111	< 0.0108	< 0.0118	< 0.0111	< 0.0115	< 0.0114	< 0.0114	< 0.0125	< 0.0121	< 0.00025	< 0.00022	< 0.0506
Naphthalene		1,600	0.17	< 0.0985	< 0.0223	< 0.0213	< 0.0204	< 0.0211	< 0.0194	< 0.0204	< 0.0207	< 0.0207	< 0.0195	< 0.0185	< 0.0198	< 0.0186	< 0.0181	< 0.0197	< 0.0186	< 0.0193	< 0.0190	< 0.0191	< 0.0209	< 0.0201	< 0.00025	< 0.00022	< 0.0845
o-Cresol		3,900	NE	< 0.0201	< 0.0045	< 0.0043	< 0.0041	< 0.0043	< 0.0040	< 0.0042	< 0.0042	< 0.0042	< 0.0040	< 0.0038	< 0.0040	< 0.0038	< 0.0037	< 0.0040	< 0.0038	< 0.0039	< 0.0039	< 0.0039	< 0.0043	< 0.0041	< 0.00025	< 0.00022	< 0.0172
Phenanthrene		NE	0.99	0.777	< 0.0080	< 0.0077	< 0.0073	< 0.0076	< 0.0070	0.0086	0.0137	0.0455	0.0167	0.0052 J	0.0170	0.176	0.162	0.0192	0.0133	0.0181	0.0201	< 0.0069	0.0434	0.0237	< 0.00025	< 0.00022	0.0877
Pyrene		2,300	1.2	1.38	0.0107	0.0077	0.0037 J	< 0.0043	0.0035 J	0.0220	0.0203	0.104	0.0475	0.0066	0.0260	0.520	0.368	0.0377	0.0260	0.0281	0.0261	0.0084	0.0697	0.0422	< 0.00025	< 0.00022	0.246

Brown shading indicates result exceeds Non-Metropolitan Background.

Gray shading indicates result exceeds Tier 1 Residential Properties

Results are in milligrams/kilogram (mg/kg).

NE = Not Established

< = Result less than laboratory reporting limit.

[1] Tier I = Tiered Approach to Corrective Action Objectives Section 742 Appendix B Table A.

[2] Background = Tiered Approach to Corrective Action Objectives Section 742 Appendix A - Tables H Background Levels of PAHs - Non-Metropolitan Statisitical Areas.

J = Estimated value below quantitation limit.

TABLE 2

SOIL VAPOR ANALYTICAL RESULTS SUMMARY
MANNERS PARK
TAYLORVILLE, ILLINOIS

Parameter / Sample No. / Date Collected	Tier I[1] (mg/m^3)	SVP-1 4/18/2024	SVP-2 4/18/2024	SVP-3 4/18/2024	SVP-4 4/18/2024	SVP-5 4/18/2024	SVP-6 4/18/2024	SVP-7 (Ambient) 4/18/2024	SVP-8 (DUP) 4/18/2024
1,1,2-Trichlorotrifluoroethane	NE	0.0005 J	0.0008 J	< 0.0192	0.0025 J	0.0029 J	< 0.0192	< 0.0192	< 0.0192
1,2,4-Trimethylbenzene	NE	0.0007 J	0.0047	0.0064 J	0.0145	< 0.0049	0.0129	< 0.0123	0.0093
1,3,5-Trimethylbenzene	NE	< 0.0025	< 0.0025	< 0.0123	0.0041 J	< 0.0049	0.0049 J	< 0.0123	< 0.0123 J
1,3-Butadiene	NE	0.0006 J	0.0122	0.0192	0.027	< 0.0044	0.0125	< 0.0111	0.0163
1,4-Dichlorobenzene	6,400/1,200	< 0.003	< 0.003	< 0.015	< 0.015	< 0.006	< 0.015	< 0.015	< 0.015 J
2-Butanone	15,000/6,400	0.0029 J	0.001 J	0.0021 J	0.0026 J	0.0008 J	0.0019 J	< 0.0147	0.0018
4-Methyl-2-pentanone	NE	0.0003 J	< 0.002	< 0.0102	< 0.0102	0.0005 J	< 0.0102	< 0.0102	< 0.0102
Acetone	750,000/750,000	0.0222	0.0201	< 0.0238	0.0572	< 0.0095	< 0.0238	0.0368	< 0.0238
Acetonitrile	NE	0.0004 J	< 0.0008	0.0205	0.0207	< 0.0017	0.0069	< 0.0042	< 0.0042
Acrylonitrile	NE	0.0004 J	0.0293	< 0.0054	< 0.0054	< 0.0022	< 0.0054	< 0.0054	< 0.0054
Benzene	1,100/0.37	0.0009 J	0.0164	0.0147	0.0235	0.0013 J	0.0081	< 0.008	0.039
Carbon disulfide	48,000/780	0.0008 J	0.0651	0.1049	0.1124	0.0024 J	0.0782	< 0.0078	0.0648
Carbon tetrachloride	770/0.21	0.0004 J	0.0005 J	< 0.0157	< 0.0157	< 0.0063	< 0.0157	< 0.0157	< 0.0157
Chloroform	290/0.11	< 0.0024	0.0005 J	< 0.0122	< 0.0122	< 0.0049	< 0.0122	< 0.0122	< 0.0122
Chloromethane	NE	0.0011	0.0002 J	< 0.0052	< 0.0052	< 0.0021	0.0008 J	0.0011 J	< 0.0052
Cyclohexane	NE	< 0.0017	0.0105	0.0076 J	0.0055 J	0.0008 J	0.0041 J	< 0.0086	0.0088
Ethanol	NE	0.0073 J	0.0047 J	0.0671	< 0.0471	< 0.0188	< 0.0471	< 0.0471	0.0245 J
Ethylbenzene	8,500/1.3	0.0005 J	0.0213	0.0159	0.0185	0.0004 J	0.014	< 0.0109	0.0231
Ethyl-tert-butyl ether	NE	0.001 J	< 0.0021	< 0.0104	< 0.0104	< 0.0042	< 0.0104	< 0.0104	< 0.0104
Isooctane	NE	0.0004 J	0.0589	0.0366	0.0098 J	0.0006 J	0.0107 J	< 0.0117	0.0388
Isopropanol	NE	0.0022 BJ	0.0017 BJ	< 0.0369	< 0.0369	< 0.0147	< 0.0369	< 0.0369	< 0.0369
Isopropylbenzene	30,000/600	< 0.0025	0.0016 J	< 0.0123	< 0.0123	< 0.0049	< 0.0123	< 0.0123	< 0.0123
m,p-Xylene	3,100/130	0.0016 J	0.0293	0.0324	0.0521	0.001 J	0.0486	< 0.0217	0.0439
Methylene chloride	5,100/5.6	0.0006 J	0.0003 J	< 0.0174	< 0.0174	< 0.0069	< 0.0174	< 0.0174	< 0.0174
n-Butylbenzene	NE	< 0.0027	0.0007 J	< 0.0137	< 0.0137	< 0.0055	< 0.0137	< 0.0137	< 0.0137
n-Heptane	NE	0.0011 J	0.0537	0.0832	0.031	< 0.0041	0.0193	< 0.0102	0.0451
n-Hexane	NE	0.0017 J	0.1392	0.1346	0.0913	0.0048	0.0338	< 0.0088	0.1029
n-Propylbenzene	NE	< 0.0025	0.003	0.0027 J	0.0038 J	< 0.0049	0.0035 J	< 0.0123	0.0036
o-Xylene	2,600/120	0.0017 J	0.0156	0.0156	0.019	< 0.0043	0.015	< 0.0109	0.0227
p-Ethyltoluene	NE	< 0.0025	0.005	0.0041 J	0.0046 J	< 0.0049	0.0044 J	< 0.0123	0.0049 J
Propylene	NE	0.0263	2.1169	2.1857	2.8225	0.0325	0.8743	< 0.0043	0.9896
tert-Butyl alcohol	NE	0.0053	0.0043	< 0.0076	< 0.0076	0.0018 J	< 0.0076	< 0.0076	0.0028 J
Tetrachloroethene	970/0.55	0.0014 J	0.0074	0.0048 J	0.0051 J	0.0043 J	0.003 J	< 0.017	0.0059 J
Tetrahydrofuran	NE	0.0014 J	< 0.0015	< 0.0074	< 0.0074	< 0.0029	< 0.0074	< 0.0074	< 0.0074
Toluene	50,000/6,200	0.0471	2.5475	6.7832	0.1138	0.0021 J	0.0644	< 0.0094	4.6729
Trichlorofluoromethane	220,000/860	0.0012 J	0.0015 J	< 0.014	0.0015 J	0.0011 J	0.0014 J	< 0.014	< 0.014
Vinyl chloride	3,000/0.29	< 0.0013	< 0.0013	< 0.0064	< 0.0064	< 0.0026	< 0.0064	< 0.0064	0.0026 J

Results are in milligrams/cubic meter (mg/m^3).

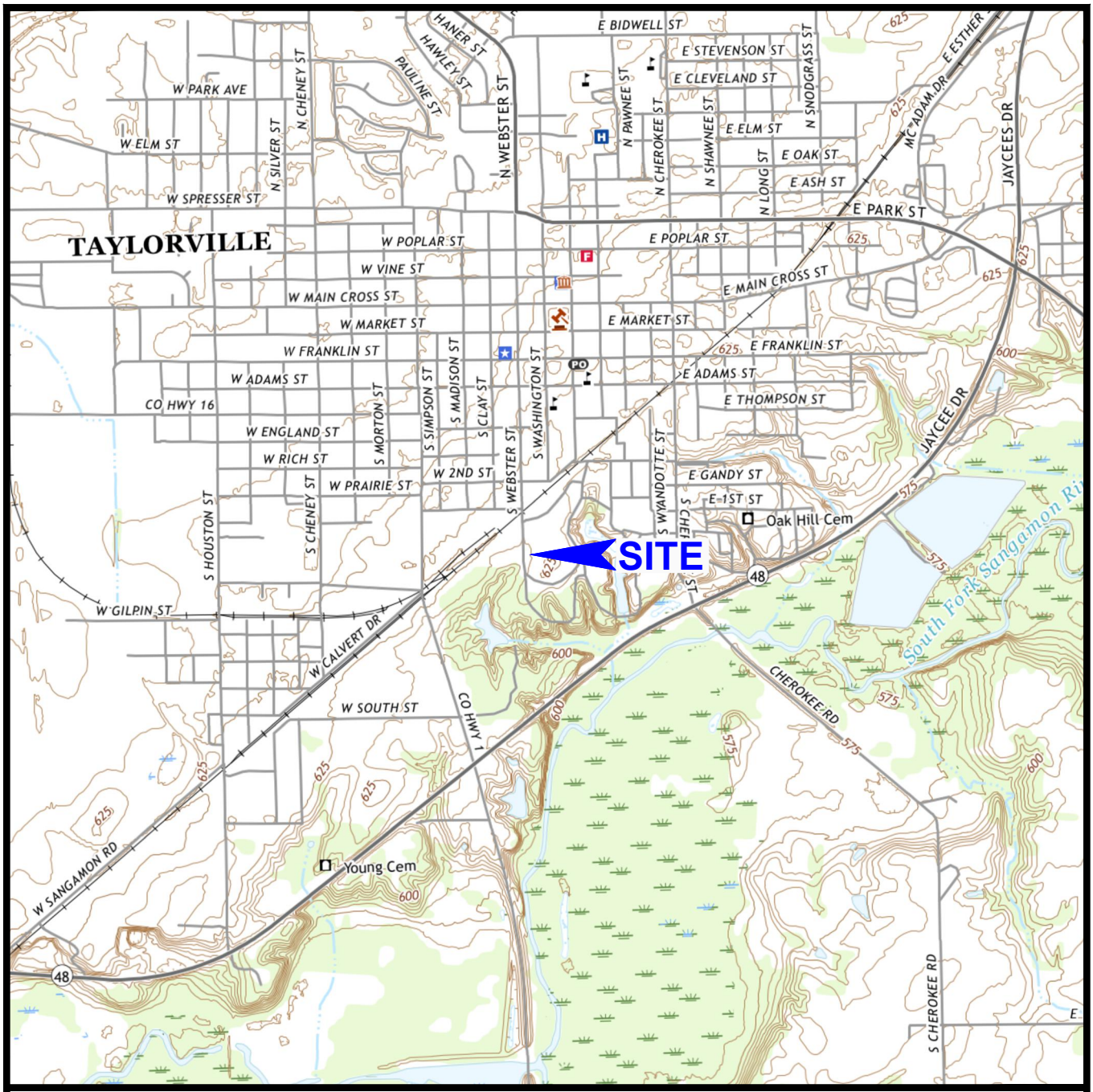
< = Result less than laboratory reporting limit.

[1] Tier I = Tiered Approach to Corrective Action Objectives Section 742 Appendix B - Table G Tier 1 Soil Gas Remediation Objectives for Outdoor Inhalation Exposure Route - construction worker and indoor inhalation - residential.

J = Estimated value below quantitation limit.

NE = Not established.

Only detected parameters are shown.



NOTES

1. Plan adapted from a 7.5 minute U.S.G.S. map for Taylorville, Illinois quadrangle, last revised in 2021.

0 2,000 4,000

SCALE IN FEET

N

Drawn By: WAH	Ck'd By: KJH	App'vd By: KJH
Date: 4-24-24	Date: 5-7-24	Date: 5-7-24

UES™

Manners Park
Taylorville, Illinois

SITE LOCATION AND TOPOGRAPHY

Project Number J044644.02	FIGURE 1

NOTES

1. Plan adapted from an August 8, 2019 aerial photograph courtesy of Google Earth.
2. Sample location were established in the field relative to site features and are shown approximate only.

LEGEND

- ● Soil Vapor Probe and Surface Soil Sample Location
- ▲ Surface Soil Sample Location

N

0 100 200

SCALE IN FEET

Drawn By: WAH	Ck'd By: KJH	App'vd By: KJH
Date: 4-24-24	Date: 5-7-24	Date: 5-7-24

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Manners Park
Taylorville, Illinois

AERIAL SITE MAP

Project Number J044644.02	FIGURE 2

APPENDIX A

BORING LOGS AND SOIL VAPOR PROBE DIAGRAMS

Surface Elevation: NA

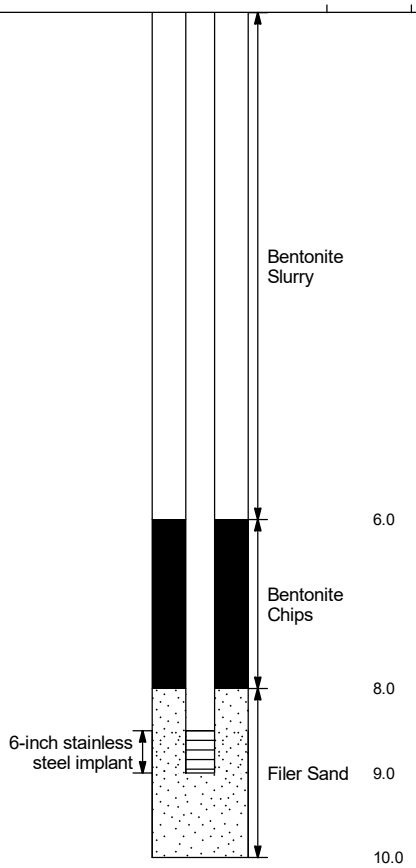
Datum: NA

Completion Date: 4/15/24

DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	PID READINGS (ppm)	SAMPLES
	Topsoil - 6 inches				
	Tan, LEAN CLAY - CL			0.0	
	Tan, SANDY CLAY - SC			0.0	
5	Tan, LEAN CLAY - CL			0.0	
				0.0	
10	Boring terminated at 10 feet.			0.0	

WELL DIAGRAM

Flushmount Cover
Diameter: 6" Opening



GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

___ AUGER ___ HOLLOW STEM
WASHBORING FROM ___ FEET
Bulldog DRILLER SPL LOGGER
Geoprobe DRILL RIG
HAMMER TYPE ___

REMARKS:

Drawn by: WAH	Checked by: KJH	App'vd. by: KJH
Date: 4/24/24	Date: 5/7/24	Date: 5/7/24

UES™

Manners Park
Taylorville, Illinois

LOG OF BORING: SVP-1

Project No. J044644.02

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

LOG OF BORING 2002 N/E J044644.02 BOING LOGS.GPJ 00 CLONE ME.GPJ 5/7/24

Surface Elevation: NA

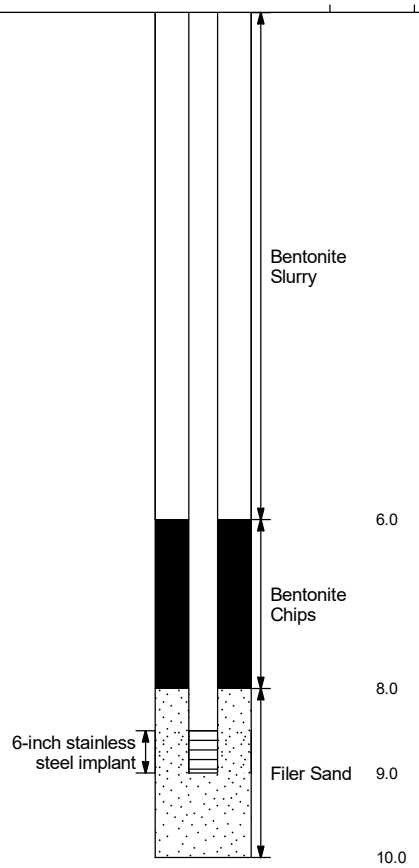
Datum: NA

Completion Date: 4/15/24

DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	PID READINGS (ppm)	SAMPLES
	Topsoil - 6 inches				
	Tan, LEAN CLAY - CL			0.0	
				0.0	
5	Gray, SANDY CLAY - SC			0.0	
	Tan, LEAN CLAY - CL			0.0	
				0.0	
10	Boring terminated at 10 feet.				

WELL DIAGRAM

Flushmount Cover
Diameter: 6" Opening



GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

___ AUGER ___ HOLLOW STEM
WASHBORING FROM ___ FEET
Bulldog DRILLER SPL LOGGER
Geoprobe DRILL RIG
HAMMER TYPE ___

REMARKS:

Drawn by: WAH	Checked by: KJH	App'vd. by: KJH
Date: 4/24/24	Date: 5/7/24	Date: 5/7/24

UES™

Manners Park
Taylorville, Illinois

LOG OF BORING: SVP-2

Project No. J044644.02

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

LOG OF BORING 2002 N/E J044644.02 BOING LOGS.GPJ 00 CLONE ME.GPJ 5/7/24

Surface Elevation: NA

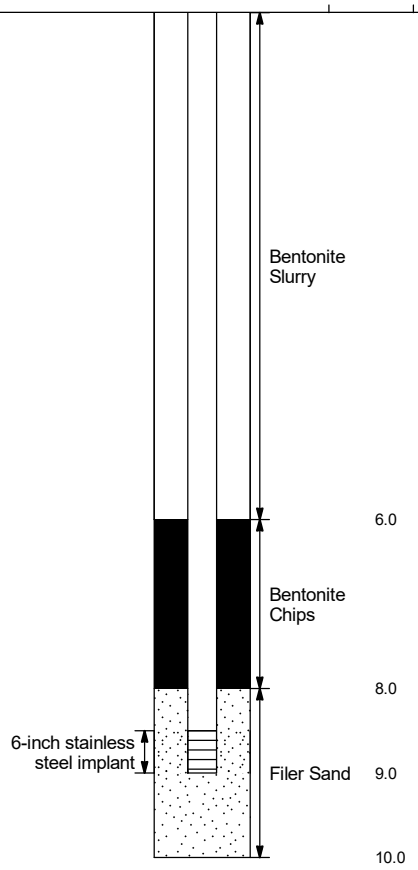
Datum: NA

Completion Date: 4/15/24

DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	PID READINGS (ppm)	SAMPLES
	Topsoil - 6 inches				
	Gray, SANDY CLAY - SC			0.0	
				0.0	
5				0.0	
				0.0	
	Black, LEAN CLAY - CL			0.0	
10	Boring terminated at 10 feet.				

WELL DIAGRAM

Flushmount Cover
Diameter: 6" Opening



NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

___ AUGER ___ HOLLOW STEM
WASHBORING FROM ___ FEET
Bulldog DRILLER SPL LOGGER
Geoprobe DRILL RIG
HAMMER TYPE ___

REMARKS:

Drawn by: WAH	Checked by: KJH	App'vd. by: KJH
Date: 4/24/24	Date: 5/7/24	Date: 5/7/24

UES™

Manners Park
Taylorville, Illinois

LOG OF BORING: SVP-3

Project No. J044644.02

LOG OF BORING 2002 N/E J044644.02 BOING LOGS.GPJ 00 CLONE ME.GPJ 5/7/24

Surface Elevation: NA

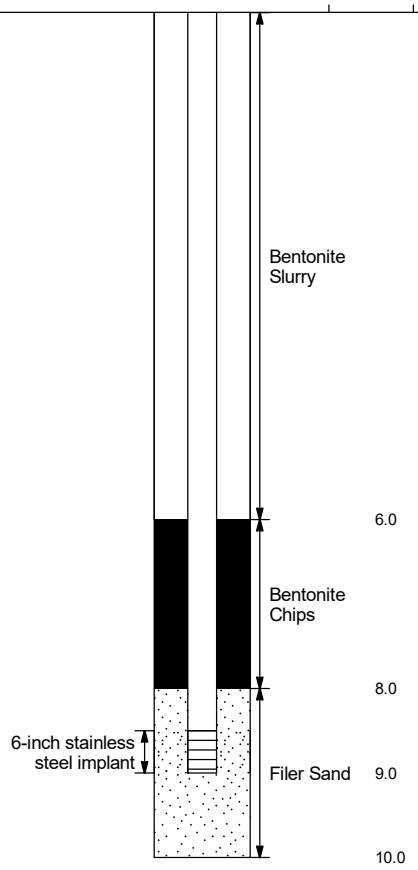
Datum: NA

Completion Date: 4/16/24

DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	PID READINGS (ppm)	SAMPLES
	Topsoil - 6 inches				
	Tan, LEAN CLAY - CL			0.0	
				0.0	
5				0.0	
	Gray, SANDY CLAY - SC			0.0	
	Black, LEAN CLAY - CL			0.0	
10	Boring terminated at 10 feet.				

WELL DIAGRAM

Flushmount Cover
Diameter: 6" Opening



GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

___ AUGER ___ HOLLOW STEM
WASHBORING FROM ___ FEET
Bulldog DRILLER SPL LOGGER
Geoprobe DRILL RIG
HAMMER TYPE ___

REMARKS:

Drawn by: WAH	Checked by: KJH	App'vd. by: KJH
Date: 4/24/24	Date: 5/7/24	Date: 5/7/24

UES™

Manners Park
Taylorville, Illinois

LOG OF BORING: SVP-4

Project No. J044644.02

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

LOG OF BORING 2002 N/E J044644.02 BOING LOGS.GPJ 00 CLONE ME.GPJ 5/7/24

Surface Elevation: NA

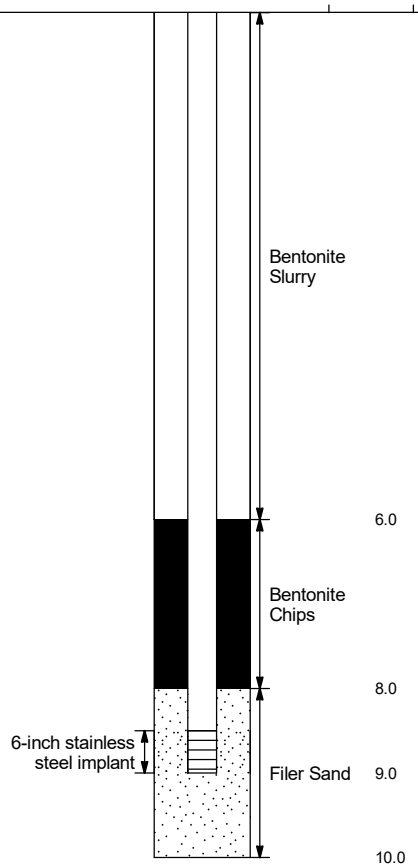
Datum: NA

Completion Date: 4/16/24

DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	PID READINGS (ppm)	SAMPLES
	Topsoil - 6 inches				
	Tan, LEAN CLAY - CL			0.0	
				0.0	
5				0.0	
	Gray, SANDY CLAY - SC			0.0	
	Black, LEAN CLAY - CL			0.0	
10	Boring terminated at 10 feet.				

WELL DIAGRAM

Flushmount Cover
Diameter: 6" Opening



GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

___ AUGER ___ HOLLOW STEM
WASHBORING FROM ___ FEET
Bulldog DRILLER SPL LOGGER
Geoprobe DRILL RIG
HAMMER TYPE ___

REMARKS:

Drawn by: WAH	Checked by: KJH	App'vd. by: KJH
Date: 4/24/24	Date: 5/7/24	Date: 5/7/24

UES™

Manners Park
Taylorville, Illinois

LOG OF BORING: SVP-5

Project No. J044644.02

NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

LOG OF BORING 2002 N/E J044644.02 BOING LOGS.GPJ 00 CLONE ME.GPJ 5/7/24

Surface Elevation: NA

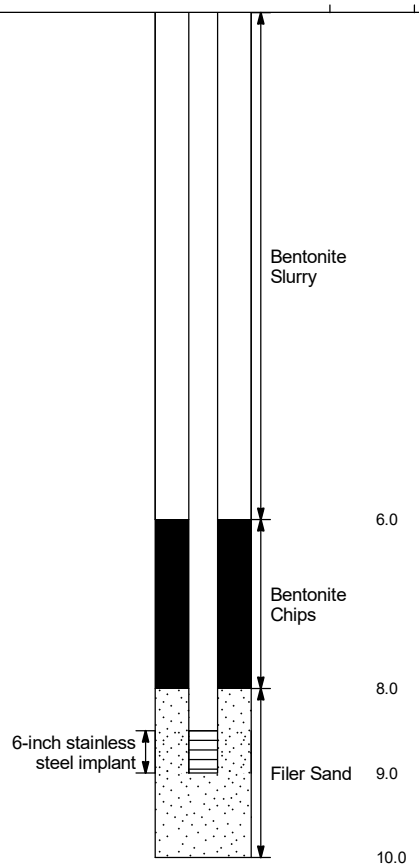
Datum: NA

Completion Date: 4/16/24

DEPTH IN FEET	DESCRIPTION OF MATERIAL	GRAPHIC LOG	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	PID READINGS (ppm)	SAMPLES
	Topsoil - 6 inches				
	Tan, LEAN CLAY - CL			0.0	
				0.0	
5				0.0	
				0.0	
	Black and gray, LEAN CLAY - CL			0.0	
10	Boring terminated at 10 feet.				

WELL DIAGRAM

Flushmount Cover
Diameter: 6" Opening



NOTE: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. GRAPHIC LOG FOR ILLUSTRATION PURPOSES ONLY.

GROUNDWATER DATA

X FREE WATER NOT ENCOUNTERED DURING DRILLING

DRILLING DATA

___ AUGER ___ HOLLOW STEM
WASHBORING FROM ___ FEET
Bulldog DRILLER SPL LOGGER
Geoprobe DRILL RIG
HAMMER TYPE ___

REMARKS:

Drawn by: WAH	Checked by: KJH	App'vd. by: KJH
Date: 4/24/24	Date: 5/7/24	Date: 5/7/24

UES™

Manners Park
Taylorville, Illinois

LOG OF BORING: SVP-6

Project No. J044644.02

LOG OF BORING 2002 N/E J044644.02 BOING LOGS.GPJ 00 CLONE ME.GPJ 5/7/24

APPENDIX B

LABORATORY ANALYTICAL REPORTS

April 24, 2024

Kenny Hemmen
Geotechnology, Inc.
11816 Lackland Road
St. Louis, MO 63146
TEL: (314) 997-7440
FAX: (314) 997-2067

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Manners Park J044644.02 **WorkOrder:** 24041481

Dear Kenny Hemmen:

TEKLAB, INC received 24 samples on 4/17/2024 1:12:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Patrick Riley
Project Manager
(618)344-1004 ex 44
patrickriley@teklabinc.com

Report Contents

Client: Geotechnology, Inc.
Work Order: 24041481
Client Project: Manners Park J044644.02
Report Date: 24-Apr-24

This reporting package includes the following:

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Geotechnology, Inc.
Work Order: 24041481

Client Project: Manners Park J044644.02
Report Date: 24-Apr-24

Qualifiers

- Unknown hydrocarbon
B - Analyte detected in associated Method Blank
C - RL shown is a Client Requested Quantitation Limit
E - Value above quantitation range
H - Holding times exceeded
I - Associated internal standard was outside method criteria
J - Analyte detected below quantitation limits
M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit
R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits
T - TIC(Tentatively identified compound)
X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Client Project: Manners Park J044644.02

Work Order: 24041481
Report Date: 24-Apr-24

Cooler Receipt Temp: 4.7 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-001 **Client Sample ID:** SS-1

Matrix: SOLID **Collection Date:** 04/15/2024 10:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**18.4**	%	1	04/18/2024 10:23	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.098	J	**0.024**	mg/Kg-dry	5	04/19/2024 13:16	221642
2-Methylnaphthalene	NELAP	0.098	J	**0.028**	mg/Kg-dry	5	04/19/2024 13:16	221642
Acenaphthene	NELAP	0.0201		**0.0315**	mg/Kg-dry	5	04/19/2024 13:16	221642
Acenaphthylene	NELAP	0.0201		**0.0688**	mg/Kg-dry	5	04/19/2024 13:16	221642
Anthracene	NELAP	0.0201		**0.108**	mg/Kg-dry	5	04/19/2024 13:16	221642
Benzo(a)anthracene	NELAP	0.0590		**0.594**	mg/Kg-dry	5	04/19/2024 13:16	221642
Benzo(a)pyrene	NELAP	0.0201		**0.665**	mg/Kg-dry	5	04/19/2024 13:16	221642
Benzo(b)fluoranthene	NELAP	0.0201		**0.798**	mg/Kg-dry	5	04/19/2024 13:16	221642
Benzo(g,h,i)perylene	NELAP	0.0201		**0.397**	mg/Kg-dry	5	04/19/2024 13:16	221642
Benzo(k)fluoranthene	NELAP	0.0201		**0.285**	mg/Kg-dry	5	04/19/2024 13:16	221642
Biphenyl	*	0.0201		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.395		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
Chrysene	NELAP	0.0201		**0.653**	mg/Kg-dry	5	04/19/2024 13:16	221642
Dibenzo(a,h)anthracene	NELAP	0.0201		**0.0865**	mg/Kg-dry	5	04/19/2024 13:16	221642
Diethyl phthalate	NELAP	0.590		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
Dimethyl phthalate	NELAP	0.590		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
Di-n-butyl phthalate	NELAP	0.201		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
Fluoranthene	NELAP	0.0201		**1.23**	mg/Kg-dry	5	04/19/2024 13:16	221642
Fluorene	NELAP	0.0201		**0.0354**	mg/Kg-dry	5	04/19/2024 13:16	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0201		**0.342**	mg/Kg-dry	5	04/19/2024 13:16	221642
m,p-Cresol	NELAP	0.0590		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
Naphthalene	NELAP	0.0985		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
o-Cresol	NELAP	0.0201		**ND**	mg/Kg-dry	5	04/19/2024 13:16	221642
Phenanthrene	NELAP	0.0354		**0.777**	mg/Kg-dry	5	04/19/2024 13:16	221642
Pyrene	NELAP	0.0201		**1.38**	mg/Kg-dry	5	04/19/2024 13:16	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**78.0**	%REC	5	04/19/2024 13:16	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**71.8**	%REC	5	04/19/2024 13:16	221642
Surr: Nitrobenzene-d5	*	35-99.6		**75.0**	%REC	5	04/19/2024 13:16	221642
Surr: Phenol-d5	*	40.9-103		**76.8**	%REC	5	04/19/2024 13:16	221642
Surr: p-Terphenyl-d14	*	42.7-105		**81.8**	%REC	5	04/19/2024 13:16	221642

Elevated reporting limit due to sample extract composition.

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-002 **Client Sample ID:** SS-2

Matrix: SOLID **Collection Date:** 04/15/2024 11:27

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**26.1**	%	1	04/18/2024 9:59	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0223		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
2-Methylnaphthalene	NELAP	0.0223		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Acenaphthene	NELAP	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Acenaphthylene	NELAP	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Anthracene	NELAP	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Benzo(a)anthracene	NELAP	0.013	J	**0.0031**	mg/Kg-dry	1	04/19/2024 14:46	221642
Benzo(a)pyrene	NELAP	0.0045		**0.0058**	mg/Kg-dry	1	04/19/2024 14:46	221642
Benzo(b)fluoranthene	NELAP	0.0045		**0.0080**	mg/Kg-dry	1	04/19/2024 14:46	221642
Benzo(g,h,i)perylene	NELAP	0.0045	J	**0.0040**	mg/Kg-dry	1	04/19/2024 14:46	221642
Benzo(k)fluoranthene	NELAP	0.0045	J	**0.0031**	mg/Kg-dry	1	04/19/2024 14:46	221642
Biphenyl	*	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0894		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Chrysene	NELAP	0.0045		**0.0049**	mg/Kg-dry	1	04/19/2024 14:46	221642
Dibenzo(a,h)anthracene	NELAP	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Diethyl phthalate	NELAP	0.134		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Dimethyl phthalate	NELAP	0.134		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Di-n-butyl phthalate	NELAP	0.0454		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Fluoranthene	NELAP	0.0045		**0.0080**	mg/Kg-dry	1	04/19/2024 14:46	221642
Fluorene	NELAP	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
m,p-Cresol	NELAP	0.0134		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Naphthalene	NELAP	0.0223		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
o-Cresol	NELAP	0.0045		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Phenanthrene	NELAP	0.0080		**ND**	mg/Kg-dry	1	04/19/2024 14:46	221642
Pyrene	NELAP	0.0045		**0.0107**	mg/Kg-dry	1	04/19/2024 14:46	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**61.7**	%REC	1	04/19/2024 14:46	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**69.8**	%REC	1	04/19/2024 14:46	221642
Surr: Nitrobenzene-d5	*	35-99.6		**70.3**	%REC	1	04/19/2024 14:46	221642
Surr: Phenol-d5	*	40.9-103		**79.3**	%REC	1	04/19/2024 14:46	221642
Surr: p-Terphenyl-d14	*	42.7-105		**77.1**	%REC	1	04/19/2024 14:46	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-003 **Client Sample ID:** SS-3

Matrix: SOLID **Collection Date:** 04/15/2024 12:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**22.9**	%	1	04/18/2024 9:55	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0213		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
2-Methylnaphthalene	NELAP	0.0213		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Acenaphthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Acenaphthylene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Anthracene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Benzo(a)anthracene	NELAP	0.0128		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Benzo(a)pyrene	NELAP	0.0043	J	**0.0034**	mg/Kg-dry	1	04/19/2024 15:16	221642
Benzo(b)fluoranthene	NELAP	0.0043		**0.0047**	mg/Kg-dry	1	04/19/2024 15:16	221642
Benzo(g,h,i)perylene	NELAP	0.0043	J	**0.0021**	mg/Kg-dry	1	04/19/2024 15:16	221642
Benzo(k)fluoranthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Biphenyl	*	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0855		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Chrysene	NELAP	0.0043	J	**0.0034**	mg/Kg-dry	1	04/19/2024 15:16	221642
Dibenzo(a,h)anthracene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Diethyl phthalate	NELAP	0.128		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Dimethyl phthalate	NELAP	0.128		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Di-n-butyl phthalate	NELAP	0.0434		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Fluoranthene	NELAP	0.0043		**0.0060**	mg/Kg-dry	1	04/19/2024 15:16	221642
Fluorene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
m,p-Cresol	NELAP	0.0128		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Naphthalene	NELAP	0.0213		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
o-Cresol	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Phenanthrene	NELAP	0.0077		**ND**	mg/Kg-dry	1	04/19/2024 15:16	221642
Pyrene	NELAP	0.0043		**0.0077**	mg/Kg-dry	1	04/19/2024 15:16	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**76.8**	%REC	1	04/19/2024 15:16	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**73.0**	%REC	1	04/19/2024 15:16	221642
Surr: Nitrobenzene-d5	*	35-99.6		**74.3**	%REC	1	04/19/2024 15:16	221642
Surr: Phenol-d5	*	40.9-103		**79.0**	%REC	1	04/19/2024 15:16	221642
Surr: p-Terphenyl-d14	*	42.7-105		**79.6**	%REC	1	04/19/2024 15:16	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-004 **Client Sample ID:** SS-4

Matrix: SOLID **Collection Date:** 04/16/2024 8:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**18.2**	%	1	04/18/2024 9:58	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0204		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
2-Methylnaphthalene	NELAP	0.0204		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Acenaphthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Acenaphthylene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Anthracene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Benzo(a)anthracene	NELAP	0.0122		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Benzo(a)pyrene	NELAP	0.0041	J	**0.0024**	mg/Kg-dry	1	04/19/2024 15:47	221642
Benzo(b)fluoranthene	NELAP	0.0041	J	**0.0028**	mg/Kg-dry	1	04/19/2024 15:47	221642
Benzo(g,h,i)perylene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Benzo(k)fluoranthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Biphenyl	*	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0817		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Chrysene	NELAP	0.0041	J	**0.0016**	mg/Kg-dry	1	04/19/2024 15:47	221642
Dibenzo(a,h)anthracene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Diethyl phthalate	NELAP	0.122		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Dimethyl phthalate	NELAP	0.122		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Di-n-butyl phthalate	NELAP	0.0415		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Fluoranthene	NELAP	0.0041	J	**0.0028**	mg/Kg-dry	1	04/19/2024 15:47	221642
Fluorene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
m,p-Cresol	NELAP	0.0122		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Naphthalene	NELAP	0.0204		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
o-Cresol	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Phenanthrene	NELAP	0.0073		**ND**	mg/Kg-dry	1	04/19/2024 15:47	221642
Pyrene	NELAP	0.0041	J	**0.0037**	mg/Kg-dry	1	04/19/2024 15:47	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**75.0**	%REC	1	04/19/2024 15:47	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**77.0**	%REC	1	04/19/2024 15:47	221642
Surr: Nitrobenzene-d5	*	35-99.6		**77.6**	%REC	1	04/19/2024 15:47	221642
Surr: Phenol-d5	*	40.9-103		**86.6**	%REC	1	04/19/2024 15:47	221642
Surr: p-Terphenyl-d14	*	42.7-105		**81.4**	%REC	1	04/19/2024 15:47	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-005 **Client Sample ID:** SS-5

Matrix: SOLID **Collection Date:** 04/16/2024 9:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**22.9**	%	1	04/18/2024 9:49	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0211		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
2-Methylnaphthalene	NELAP	0.0211		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Acenaphthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Acenaphthylene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Anthracene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Benzo(a)anthracene	NELAP	0.0126		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Benzo(a)pyrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Benzo(b)fluoranthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Benzo(g,h,i)perylene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Benzo(k)fluoranthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Biphenyl	*	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0845		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Chrysene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Dibenzo(a,h)anthracene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Diethyl phthalate	NELAP	0.126		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Dimethyl phthalate	NELAP	0.126		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Di-n-butyl phthalate	NELAP	0.0429		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Fluoranthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Fluorene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
m,p-Cresol	NELAP	0.0126		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Naphthalene	NELAP	0.0211		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
o-Cresol	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Phenanthrene	NELAP	0.0076		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Pyrene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/19/2024 16:17	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**81.6**	%REC	1	04/19/2024 16:17	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**84.0**	%REC	1	04/19/2024 16:17	221642
Surr: Nitrobenzene-d5	*	35-99.6		**82.3**	%REC	1	04/19/2024 16:17	221642
Surr: Phenol-d5	*	40.9-103		**91.6**	%REC	1	04/19/2024 16:17	221642
Surr: p-Terphenyl-d14	*	42.7-105		**84.3**	%REC	1	04/19/2024 16:17	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-006 **Client Sample ID:** SS-6

Matrix: SOLID **Collection Date:** 04/16/2024 10:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**18.4**	%	1	04/18/2024 9:56	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0194		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
2-Methylnaphthalene	NELAP	0.0194		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Acenaphthene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Acenaphthylene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Anthracene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Benzo(a)anthracene	NELAP	0.0116		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Benzo(a)pyrene	NELAP	0.0040	J	**0.0019**	mg/Kg-dry	1	04/19/2024 16:47	221642
Benzo(b)fluoranthene	NELAP	0.0040	J	**0.0027**	mg/Kg-dry	1	04/19/2024 16:47	221642
Benzo(g,h,i)perylene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Benzo(k)fluoranthene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Biphenyl	*	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0779		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Chrysene	NELAP	0.0040	J	**0.0016**	mg/Kg-dry	1	04/19/2024 16:47	221642
Dibenzo(a,h)anthracene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Diethyl phthalate	NELAP	0.116		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Dimethyl phthalate	NELAP	0.116		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Di-n-butyl phthalate	NELAP	0.0396		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Fluoranthene	NELAP	0.0040		**0.0043**	mg/Kg-dry	1	04/19/2024 16:47	221642
Fluorene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
m,p-Cresol	NELAP	0.0116		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Naphthalene	NELAP	0.0194		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
o-Cresol	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Phenanthrene	NELAP	0.0070		**ND**	mg/Kg-dry	1	04/19/2024 16:47	221642
Pyrene	NELAP	0.0040	J	**0.0035**	mg/Kg-dry	1	04/19/2024 16:47	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**70.1**	%REC	1	04/19/2024 16:47	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**68.6**	%REC	1	04/19/2024 16:47	221642
Surr: Nitrobenzene-d5	*	35-99.6		**69.4**	%REC	1	04/19/2024 16:47	221642
Surr: Phenol-d5	*	40.9-103		**72.7**	%REC	1	04/19/2024 16:47	221642
Surr: p-Terphenyl-d14	*	42.7-105		**73.7**	%REC	1	04/19/2024 16:47	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-007 **Client Sample ID:** SS-7

Matrix: SOLID **Collection Date:** 04/16/2024 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**18.9**	%	1	04/18/2024 9:55	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0204		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
2-Methylnaphthalene	NELAP	0.0204		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Acenaphthene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Acenaphthylene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Anthracene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Benzo(a)anthracene	NELAP	0.012	J	**0.011**	mg/Kg-dry	1	04/19/2024 17:17	221642
Benzo(a)pyrene	NELAP	0.0042		**0.0143**	mg/Kg-dry	1	04/19/2024 17:17	221642
Benzo(b)fluoranthene	NELAP	0.0042		**0.0200**	mg/Kg-dry	1	04/19/2024 17:17	221642
Benzo(g,h,i)perylene	NELAP	0.0042		**0.0090**	mg/Kg-dry	1	04/19/2024 17:17	221642
Benzo(k)fluoranthene	NELAP	0.0042		**0.0069**	mg/Kg-dry	1	04/19/2024 17:17	221642
Biphenyl	*	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0818		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Chrysene	NELAP	0.0042		**0.0110**	mg/Kg-dry	1	04/19/2024 17:17	221642
Dibenzo(a,h)anthracene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Diethyl phthalate	NELAP	0.122		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Dimethyl phthalate	NELAP	0.122		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Di-n-butyl phthalate	NELAP	0.0415		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Fluoranthene	NELAP	0.0042		**0.0204**	mg/Kg-dry	1	04/19/2024 17:17	221642
Fluorene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0042		**0.0073**	mg/Kg-dry	1	04/19/2024 17:17	221642
m,p-Cresol	NELAP	0.0122		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Naphthalene	NELAP	0.0204		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
o-Cresol	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:17	221642
Phenanthrene	NELAP	0.0073		**0.0086**	mg/Kg-dry	1	04/19/2024 17:17	221642
Pyrene	NELAP	0.0042		**0.0220**	mg/Kg-dry	1	04/19/2024 17:17	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**81.3**	%REC	1	04/19/2024 17:17	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**76.8**	%REC	1	04/19/2024 17:17	221642
Surr: Nitrobenzene-d5	*	35-99.6		**80.9**	%REC	1	04/19/2024 17:17	221642
Surr: Phenol-d5	*	40.9-103		**83.3**	%REC	1	04/19/2024 17:17	221642
Surr: p-Terphenyl-d14	*	42.7-105		**79.0**	%REC	1	04/19/2024 17:17	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-008 **Client Sample ID:** SS-8

Matrix: SOLID **Collection Date:** 04/17/2024 8:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**19.6**	%	1	04/18/2024 9:54	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.021	J	**0.0025**	mg/Kg-dry	1	04/19/2024 17:47	221642
2-Methylnaphthalene	NELAP	0.021	J	**0.0021**	mg/Kg-dry	1	04/19/2024 17:47	221642
Acenaphthene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Acenaphthylene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Anthracene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Benzo(a)anthracene	NELAP	0.012	J	**0.0083**	mg/Kg-dry	1	04/19/2024 17:47	221642
Benzo(a)pyrene	NELAP	0.0042		**0.0108**	mg/Kg-dry	1	04/19/2024 17:47	221642
Benzo(b)fluoranthene	NELAP	0.0042		**0.0161**	mg/Kg-dry	1	04/19/2024 17:47	221642
Benzo(g,h,i)perylene	NELAP	0.0042		**0.0062**	mg/Kg-dry	1	04/19/2024 17:47	221642
Benzo(k)fluoranthene	NELAP	0.0042		**0.0066**	mg/Kg-dry	1	04/19/2024 17:47	221642
Biphenyl	*	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0832		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Chrysene	NELAP	0.0042		**0.0108**	mg/Kg-dry	1	04/19/2024 17:47	221642
Dibenzo(a,h)anthracene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Diethyl phthalate	NELAP	0.124		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Dimethyl phthalate	NELAP	0.124		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Di-n-butyl phthalate	NELAP	0.0422		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Fluoranthene	NELAP	0.0042		**0.0182**	mg/Kg-dry	1	04/19/2024 17:47	221642
Fluorene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0042		**0.0058**	mg/Kg-dry	1	04/19/2024 17:47	221642
m,p-Cresol	NELAP	0.0124		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Naphthalene	NELAP	0.0207		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
o-Cresol	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 17:47	221642
Phenanthrene	NELAP	0.0074		**0.0137**	mg/Kg-dry	1	04/19/2024 17:47	221642
Pyrene	NELAP	0.0042		**0.0203**	mg/Kg-dry	1	04/19/2024 17:47	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**80.2**	%REC	1	04/19/2024 17:47	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**70.3**	%REC	1	04/19/2024 17:47	221642
Surr: Nitrobenzene-d5	*	35-99.6		**82.0**	%REC	1	04/19/2024 17:47	221642
Surr: Phenol-d5	*	40.9-103		**79.0**	%REC	1	04/19/2024 17:47	221642
Surr: p-Terphenyl-d14	*	42.7-105		**82.0**	%REC	1	04/19/2024 17:47	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-009 **Client Sample ID:** SS-9

Matrix: SOLID **Collection Date:** 04/17/2024 8:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**19.9**	%	1	04/18/2024 9:59	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.021	J	**0.0041**	mg/Kg-dry	1	04/19/2024 18:18	221642
2-Methylnaphthalene	NELAP	0.021	J	**0.0037**	mg/Kg-dry	1	04/19/2024 18:18	221642
Acenaphthene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Acenaphthylene	NELAP	0.0042	J	**0.0025**	mg/Kg-dry	1	04/19/2024 18:18	221642
Anthracene	NELAP	0.0042		**0.0054**	mg/Kg-dry	1	04/19/2024 18:18	221642
Benzo(a)anthracene	NELAP	0.0124		**0.0534**	mg/Kg-dry	1	04/19/2024 18:18	221642
Benzo(a)pyrene	NELAP	0.0042		**0.0646**	mg/Kg-dry	1	04/19/2024 18:18	221642
Benzo(b)fluoranthene	NELAP	0.0042		**0.102**	mg/Kg-dry	1	04/19/2024 18:18	221642
Benzo(g,h,i)perylene	NELAP	0.0042		**0.0319**	mg/Kg-dry	1	04/19/2024 18:18	221642
Benzo(k)fluoranthene	NELAP	0.0042		**0.0335**	mg/Kg-dry	1	04/19/2024 18:18	221642
Biphenyl	*	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.083	J	**0.022**	mg/Kg-dry	1	04/19/2024 18:18	221642
Chrysene	NELAP	0.0042		**0.0666**	mg/Kg-dry	1	04/19/2024 18:18	221642
Dibenzo(a,h)anthracene	NELAP	0.0042		**0.0091**	mg/Kg-dry	1	04/19/2024 18:18	221642
Diethyl phthalate	NELAP	0.124		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Dimethyl phthalate	NELAP	0.124		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Di-n-butyl phthalate	NELAP	0.0422		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Fluoranthene	NELAP	0.0042		**0.123**	mg/Kg-dry	1	04/19/2024 18:18	221642
Fluorene	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0042		**0.0286**	mg/Kg-dry	1	04/19/2024 18:18	221642
m,p-Cresol	NELAP	0.0124		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Naphthalene	NELAP	0.0207		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
o-Cresol	NELAP	0.0042		**ND**	mg/Kg-dry	1	04/19/2024 18:18	221642
Phenanthrene	NELAP	0.0075		**0.0455**	mg/Kg-dry	1	04/19/2024 18:18	221642
Pyrene	NELAP	0.0042		**0.104**	mg/Kg-dry	1	04/19/2024 18:18	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**80.4**	%REC	1	04/19/2024 18:18	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**71.6**	%REC	1	04/19/2024 18:18	221642
Surr: Nitrobenzene-d5	*	35-99.6		**78.4**	%REC	1	04/19/2024 18:18	221642
Surr: Phenol-d5	*	40.9-103		**81.5**	%REC	1	04/19/2024 18:18	221642
Surr: p-Terphenyl-d14	*	42.7-105		**87.0**	%REC	1	04/19/2024 18:18	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-010 **Client Sample ID:** SS-10

Matrix: SOLID **Collection Date:** 04/17/2024 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**19.2**	%	1	04/18/2024 9:48	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0195		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
2-Methylnaphthalene	NELAP	0.0195		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Acenaphthene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Acenaphthylene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Anthracene	NELAP	0.0040	J	**0.0019**	mg/Kg-dry	1	04/19/2024 18:48	221642
Benzo(a)anthracene	NELAP	0.0117		**0.0265**	mg/Kg-dry	1	04/19/2024 18:48	221642
Benzo(a)pyrene	NELAP	0.0040		**0.0347**	mg/Kg-dry	1	04/19/2024 18:48	221642
Benzo(b)fluoranthene	NELAP	0.0040		**0.0498**	mg/Kg-dry	1	04/19/2024 18:48	221642
Benzo(g,h,i)perylene	NELAP	0.0040		**0.0152**	mg/Kg-dry	1	04/19/2024 18:48	221642
Benzo(k)fluoranthene	NELAP	0.0040		**0.0175**	mg/Kg-dry	1	04/19/2024 18:48	221642
Biphenyl	*	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.078	J	**0.027**	mg/Kg-dry	1	04/19/2024 18:48	221642
Chrysene	NELAP	0.0040		**0.0273**	mg/Kg-dry	1	04/19/2024 18:48	221642
Dibenzo(a,h)anthracene	NELAP	0.0040	J	**0.0035**	mg/Kg-dry	1	04/19/2024 18:48	221642
Diethyl phthalate	NELAP	0.117		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Dimethyl phthalate	NELAP	0.117		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Di-n-butyl phthalate	NELAP	0.0397		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Fluoranthene	NELAP	0.0040		**0.0537**	mg/Kg-dry	1	04/19/2024 18:48	221642
Fluorene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0040		**0.0148**	mg/Kg-dry	1	04/19/2024 18:48	221642
m,p-Cresol	NELAP	0.0117		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Naphthalene	NELAP	0.0195		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
o-Cresol	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 18:48	221642
Phenanthrene	NELAP	0.0070		**0.0167**	mg/Kg-dry	1	04/19/2024 18:48	221642
Pyrene	NELAP	0.0040		**0.0475**	mg/Kg-dry	1	04/19/2024 18:48	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**71.3**	%REC	1	04/19/2024 18:48	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**57.4**	%REC	1	04/19/2024 18:48	221642
Surr: Nitrobenzene-d5	*	35-99.6		**70.6**	%REC	1	04/19/2024 18:48	221642
Surr: Phenol-d5	*	40.9-103		**68.8**	%REC	1	04/19/2024 18:48	221642
Surr: p-Terphenyl-d14	*	42.7-105		**77.5**	%REC	1	04/19/2024 18:48	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-011 **Client Sample ID:** SS-11

Matrix: SOLID **Collection Date:** 04/17/2024 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**13.4**	%	1	04/18/2024 9:50	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0185		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
2-Methylnaphthalene	NELAP	0.0185		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Acenaphthene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Acenaphthylene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Anthracene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Benzo(a)anthracene	NELAP	0.011	J	**0.0037**	mg/Kg-dry	1	04/19/2024 19:19	221642
Benzo(a)pyrene	NELAP	0.0038		**0.0044**	mg/Kg-dry	1	04/19/2024 19:19	221642
Benzo(b)fluoranthene	NELAP	0.0038		**0.0063**	mg/Kg-dry	1	04/19/2024 19:19	221642
Benzo(g,h,i)perylene	NELAP	0.0038	J	**0.0022**	mg/Kg-dry	1	04/19/2024 19:19	221642
Benzo(k)fluoranthene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Biphenyl	*	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.074	J	**0.035**	mg/Kg-dry	1	04/19/2024 19:19	221642
Chrysene	NELAP	0.0038		**0.0041**	mg/Kg-dry	1	04/19/2024 19:19	221642
Dibenzo(a,h)anthracene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Diethyl phthalate	NELAP	0.111		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Dimethyl phthalate	NELAP	0.111		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Di-n-butyl phthalate	NELAP	0.0377		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Fluoranthene	NELAP	0.0038		**0.0070**	mg/Kg-dry	1	04/19/2024 19:19	221642
Fluorene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
m,p-Cresol	NELAP	0.0111		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Naphthalene	NELAP	0.0185		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
o-Cresol	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/19/2024 19:19	221642
Phenanthrene	NELAP	0.0066	J	**0.0052**	mg/Kg-dry	1	04/19/2024 19:19	221642
Pyrene	NELAP	0.0038		**0.0066**	mg/Kg-dry	1	04/19/2024 19:19	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**73.8**	%REC	1	04/19/2024 19:19	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**75.6**	%REC	1	04/19/2024 19:19	221642
Surr: Nitrobenzene-d5	*	35-99.6		**77.6**	%REC	1	04/19/2024 19:19	221642
Surr: Phenol-d5	*	40.9-103		**84.6**	%REC	1	04/19/2024 19:19	221642
Surr: p-Terphenyl-d14	*	42.7-105		**80.2**	%REC	1	04/19/2024 19:19	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-012 **Client Sample ID:** SS-12

Matrix: SOLID **Collection Date:** 04/17/2024 9:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**16.7**	%	1	04/18/2024 9:48	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0198		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
2-Methylnaphthalene	NELAP	0.0198		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Acenaphthene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Acenaphthylene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Anthracene	NELAP	0.0040	J	**0.0028**	mg/Kg-dry	1	04/19/2024 19:59	221642
Benzo(a)anthracene	NELAP	0.0118		**0.0225**	mg/Kg-dry	1	04/19/2024 19:59	221642
Benzo(a)pyrene	NELAP	0.0040		**0.0197**	mg/Kg-dry	1	04/22/2024 12:06	221642
Benzo(b)fluoranthene	NELAP	0.0040		**0.0248**	mg/Kg-dry	1	04/22/2024 12:06	221642
Benzo(g,h,i)perylene	NELAP	0.0040		**0.0126**	mg/Kg-dry	1	04/22/2024 12:06	221642
Benzo(k)fluoranthene	NELAP	0.0040		**0.0091**	mg/Kg-dry	1	04/22/2024 12:06	221642
Biphenyl	*	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.079	J	**0.025**	mg/Kg-dry	1	04/19/2024 19:59	221642
Chrysene	NELAP	0.0040		**0.0221**	mg/Kg-dry	1	04/19/2024 19:59	221642
Dibenzo(a,h)anthracene	NELAP	0.0040	J	**0.0032**	mg/Kg-dry	1	04/22/2024 12:06	221642
Diethyl phthalate	NELAP	0.118		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Dimethyl phthalate	NELAP	0.118		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Di-n-butyl phthalate	NELAP	0.0402		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Fluoranthene	NELAP	0.0040		**0.0264**	mg/Kg-dry	1	04/19/2024 19:59	221642
Fluorene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0040		**0.0095**	mg/Kg-dry	1	04/22/2024 12:06	221642
m,p-Cresol	NELAP	0.0118		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Naphthalene	NELAP	0.0198		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
o-Cresol	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/19/2024 19:59	221642
Phenanthrene	NELAP	0.0071		**0.0170**	mg/Kg-dry	1	04/19/2024 19:59	221642
Pyrene	NELAP	0.0040		**0.0260**	mg/Kg-dry	1	04/19/2024 19:59	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**91.7**	%REC	1	04/19/2024 19:59	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**82.9**	%REC	1	04/19/2024 19:59	221642
Surr: Nitrobenzene-d5	*	35-99.6		**84.2**	%REC	1	04/19/2024 19:59	221642
Surr: Phenol-d5	*	40.9-103		**91.7**	%REC	1	04/19/2024 19:59	221642
Surr: p-Terphenyl-d14	*	42.7-105		**89.6**	%REC	1	04/19/2024 19:59	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-013 **Client Sample ID:** SS-13

Matrix: SOLID **Collection Date:** 04/17/2024 9:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**10.4**	%	1	04/18/2024 9:48	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.019	J	**0.0022**	mg/Kg-dry	1	04/22/2024 12:38	221642
2-Methylnaphthalene	NELAP	0.019	J	**0.0030**	mg/Kg-dry	1	04/22/2024 12:38	221642
Acenaphthene	NELAP	0.0038		**0.0115**	mg/Kg-dry	1	04/22/2024 12:38	221642
Acenaphthylene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
Anthracene	NELAP	0.0038		**0.0308**	mg/Kg-dry	1	04/22/2024 12:38	221642
Benzo(a)anthracene	NELAP	0.0111		**0.414**	mg/Kg-dry	1	04/22/2024 12:38	221642
Benzo(a)pyrene	NELAP	0.0038		**0.487**	mg/Kg-dry	1	04/22/2024 12:38	221642
Benzo(b)fluoranthene	NELAP	0.0038		**0.627**	mg/Kg-dry	1	04/22/2024 12:38	221642
Benzo(g,h,i)perylene	NELAP	0.0038		**0.189**	mg/Kg-dry	1	04/22/2024 12:38	221642
Benzo(k)fluoranthene	NELAP	0.0038		**0.217**	mg/Kg-dry	1	04/22/2024 12:38	221642
Biphenyl	*	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0746		**0.117**	mg/Kg-dry	1	04/22/2024 12:38	221642
Chrysene	NELAP	0.0038		**0.459**	mg/Kg-dry	1	04/22/2024 12:38	221642
Dibenzo(a,h)anthracene	NELAP	0.0038		**0.0590**	mg/Kg-dry	1	04/22/2024 12:38	221642
Diethyl phthalate	NELAP	0.111		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
Dimethyl phthalate	NELAP	0.111		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
Di-n-butyl phthalate	NELAP	0.0379		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
Fluoranthene	NELAP	0.0038		**0.572**	mg/Kg-dry	1	04/22/2024 12:38	221642
Fluorene	NELAP	0.0038		**0.0045**	mg/Kg-dry	1	04/22/2024 12:38	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0038		**0.185**	mg/Kg-dry	1	04/22/2024 12:38	221642
m,p-Cresol	NELAP	0.0111		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
Naphthalene	NELAP	0.0186		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
o-Cresol	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 12:38	221642
Phenanthrene	NELAP	0.0067		**0.176**	mg/Kg-dry	1	04/22/2024 12:38	221642
Pyrene	NELAP	0.0038		**0.520**	mg/Kg-dry	1	04/22/2024 12:38	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**87.6**	%REC	1	04/22/2024 12:38	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**76.7**	%REC	1	04/22/2024 12:38	221642
Surr: Nitrobenzene-d5	*	35-99.6		**79.8**	%REC	1	04/22/2024 12:38	221642
Surr: Phenol-d5	*	40.9-103		**83.9**	%REC	1	04/22/2024 12:38	221642
Surr: p-Terphenyl-d14	*	42.7-105		**84.9**	%REC	1	04/22/2024 12:38	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-014 **Client Sample ID:** SS-14

Matrix: SOLID **Collection Date:** 04/17/2024 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**8.6**	%	1	04/18/2024 9:50	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.018	J	**0.0022**	mg/Kg-dry	1	04/22/2024 13:10	221642
2-Methylnaphthalene	NELAP	0.018	J	**0.0029**	mg/Kg-dry	1	04/22/2024 13:10	221642
Acenaphthene	NELAP	0.0037		**0.0101**	mg/Kg-dry	1	04/22/2024 13:10	221642
Acenaphthylene	NELAP	0.0037		**ND**	mg/Kg-dry	1	04/22/2024 13:10	221642
Anthracene	NELAP	0.0037		**0.0311**	mg/Kg-dry	1	04/22/2024 13:10	221642
Benzo(a)anthracene	NELAP	0.0108		**0.296**	mg/Kg-dry	1	04/22/2024 13:10	221642
Benzo(a)pyrene	NELAP	0.0037		**0.322**	mg/Kg-dry	1	04/22/2024 13:10	221642
Benzo(b)fluoranthene	NELAP	0.0037		**0.432**	mg/Kg-dry	1	04/22/2024 13:10	221642
Benzo(g,h,i)perylene	NELAP	0.0037		**0.122**	mg/Kg-dry	1	04/22/2024 13:10	221642
Benzo(k)fluoranthene	NELAP	0.0037		**0.153**	mg/Kg-dry	1	04/22/2024 13:10	221642
Biphenyl	*	0.0037	J	**0.0029**	mg/Kg-dry	1	04/22/2024 13:10	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0726		**0.0791**	mg/Kg-dry	1	04/22/2024 13:10	221642
Chrysene	NELAP	0.0037		**0.339**	mg/Kg-dry	1	04/22/2024 13:10	221642
Dibenzo(a,h)anthracene	NELAP	0.0037		**0.0401**	mg/Kg-dry	1	04/22/2024 13:10	221642
Diethyl phthalate	NELAP	0.108		**ND**	mg/Kg-dry	1	04/22/2024 13:10	221642
Dimethyl phthalate	NELAP	0.108		**ND**	mg/Kg-dry	1	04/22/2024 13:10	221642
Di-n-butyl phthalate	NELAP	0.0369		**ND**	mg/Kg-dry	1	04/22/2024 13:10	221642
Fluoranthene	NELAP	0.0037		**0.415**	mg/Kg-dry	1	04/22/2024 13:10	221642
Fluorene	NELAP	0.0037		**0.0051**	mg/Kg-dry	1	04/22/2024 13:10	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0037		**0.116**	mg/Kg-dry	1	04/22/2024 13:10	221642
m,p-Cresol	NELAP	0.0108		**ND**	mg/Kg-dry	1	04/22/2024 13:10	221642
Naphthalene	NELAP	0.0181		**ND**	mg/Kg-dry	1	04/22/2024 13:10	221642
o-Cresol	NELAP	0.0037		**ND**	mg/Kg-dry	1	04/22/2024 13:10	221642
Phenanthrene	NELAP	0.0065		**0.162**	mg/Kg-dry	1	04/22/2024 13:10	221642
Pyrene	NELAP	0.0037		**0.368**	mg/Kg-dry	1	04/22/2024 13:10	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**81.2**	%REC	1	04/22/2024 13:10	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**70.0**	%REC	1	04/22/2024 13:10	221642
Surr: Nitrobenzene-d5	*	35-99.6		**73.6**	%REC	1	04/22/2024 13:10	221642
Surr: Phenol-d5	*	40.9-103		**78.0**	%REC	1	04/22/2024 13:10	221642
Surr: p-Terphenyl-d14	*	42.7-105		**81.0**	%REC	1	04/22/2024 13:10	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-015 **Client Sample ID:** SS-15

Matrix: SOLID **Collection Date:** 04/17/2024 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**19.9**	%	1	04/18/2024 9:54	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.020	J	**0.0024**	mg/Kg-dry	1	04/22/2024 13:43	221642
2-Methylnaphthalene	NELAP	0.020	J	**0.0020**	mg/Kg-dry	1	04/22/2024 13:43	221642
Acenaphthene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Acenaphthylene	NELAP	0.0040	J	**0.0016**	mg/Kg-dry	1	04/22/2024 13:43	221642
Anthracene	NELAP	0.0040	J	**0.0020**	mg/Kg-dry	1	04/22/2024 13:43	221642
Benzo(a)anthracene	NELAP	0.0118		**0.0192**	mg/Kg-dry	1	04/22/2024 13:43	221642
Benzo(a)pyrene	NELAP	0.0040		**0.0216**	mg/Kg-dry	1	04/22/2024 13:43	221642
Benzo(b)fluoranthene	NELAP	0.0040		**0.0322**	mg/Kg-dry	1	04/22/2024 13:43	221642
Benzo(g,h,i)perylene	NELAP	0.0040		**0.0114**	mg/Kg-dry	1	04/22/2024 13:43	221642
Benzo(k)fluoranthene	NELAP	0.0040		**0.0118**	mg/Kg-dry	1	04/22/2024 13:43	221642
Biphenyl	*	0.0040		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0789		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Chrysene	NELAP	0.0040		**0.0196**	mg/Kg-dry	1	04/22/2024 13:43	221642
Dibenzo(a,h)anthracene	NELAP	0.0040	J	**0.0031**	mg/Kg-dry	1	04/22/2024 13:43	221642
Diethyl phthalate	NELAP	0.118		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Dimethyl phthalate	NELAP	0.118		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Di-n-butyl phthalate	NELAP	0.0401		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Fluoranthene	NELAP	0.0040		**0.0357**	mg/Kg-dry	1	04/22/2024 13:43	221642
Fluorene	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0040		**0.0102**	mg/Kg-dry	1	04/22/2024 13:43	221642
m,p-Cresol	NELAP	0.0118		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Naphthalene	NELAP	0.0197		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
o-Cresol	NELAP	0.0040		**ND**	mg/Kg-dry	1	04/22/2024 13:43	221642
Phenanthrene	NELAP	0.0071		**0.0192**	mg/Kg-dry	1	04/22/2024 13:43	221642
Pyrene	NELAP	0.0040		**0.0377**	mg/Kg-dry	1	04/22/2024 13:43	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**78.9**	%REC	1	04/22/2024 13:43	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**66.0**	%REC	1	04/22/2024 13:43	221642
Surr: Nitrobenzene-d5	*	35-99.6		**72.6**	%REC	1	04/22/2024 13:43	221642
Surr: Phenol-d5	*	40.9-103		**73.0**	%REC	1	04/22/2024 13:43	221642
Surr: p-Terphenyl-d14	*	42.7-105		**76.6**	%REC	1	04/22/2024 13:43	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-016 **Client Sample ID:** SS-16

Matrix: SOLID **Collection Date:** 04/17/2024 9:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**10.9**	%	1	04/18/2024 9:58	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0186		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
2-Methylnaphthalene	NELAP	0.0186		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Acenaphthene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Acenaphthylene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Anthracene	NELAP	0.0038	J	**0.0026**	mg/Kg-dry	1	04/22/2024 14:15	221642
Benzo(a)anthracene	NELAP	0.0111		**0.0215**	mg/Kg-dry	1	04/22/2024 14:15	221642
Benzo(a)pyrene	NELAP	0.0038		**0.0219**	mg/Kg-dry	1	04/22/2024 14:15	221642
Benzo(b)fluoranthene	NELAP	0.0038		**0.0274**	mg/Kg-dry	1	04/22/2024 14:15	221642
Benzo(g,h,i)perylene	NELAP	0.0038		**0.0082**	mg/Kg-dry	1	04/22/2024 14:15	221642
Benzo(k)fluoranthene	NELAP	0.0038		**0.0108**	mg/Kg-dry	1	04/22/2024 14:15	221642
Biphenyl	*	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.074	J	**0.021**	mg/Kg-dry	1	04/22/2024 14:15	221642
Chrysene	NELAP	0.0038		**0.0204**	mg/Kg-dry	1	04/22/2024 14:15	221642
Dibenzo(a,h)anthracene	NELAP	0.0038	J	**0.0026**	mg/Kg-dry	1	04/22/2024 14:15	221642
Diethyl phthalate	NELAP	0.111		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Dimethyl phthalate	NELAP	0.111		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Di-n-butyl phthalate	NELAP	0.0378		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Fluoranthene	NELAP	0.0038		**0.0285**	mg/Kg-dry	1	04/22/2024 14:15	221642
Fluorene	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0038		**0.0082**	mg/Kg-dry	1	04/22/2024 14:15	221642
m,p-Cresol	NELAP	0.0111		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Naphthalene	NELAP	0.0186		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
o-Cresol	NELAP	0.0038		**ND**	mg/Kg-dry	1	04/22/2024 14:15	221642
Phenanthrene	NELAP	0.0067		**0.0133**	mg/Kg-dry	1	04/22/2024 14:15	221642
Pyrene	NELAP	0.0038		**0.0260**	mg/Kg-dry	1	04/22/2024 14:15	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**82.5**	%REC	1	04/22/2024 14:15	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**72.5**	%REC	1	04/22/2024 14:15	221642
Surr: Nitrobenzene-d5	*	35-99.6		**75.4**	%REC	1	04/22/2024 14:15	221642
Surr: Phenol-d5	*	40.9-103		**80.3**	%REC	1	04/22/2024 14:15	221642
Surr: p-Terphenyl-d14	*	42.7-105		**81.8**	%REC	1	04/22/2024 14:15	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-017 **Client Sample ID:** SS-17

Matrix: SOLID **Collection Date:** 04/17/2024 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**13.8**	%	1	04/18/2024 10:23	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0193		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
2-Methylnaphthalene	NELAP	0.0193		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Acenaphthene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Acenaphthylene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Anthracene	NELAP	0.0039	J	**0.0038**	mg/Kg-dry	1	04/22/2024 14:48	221642
Benzo(a)anthracene	NELAP	0.0115		**0.0223**	mg/Kg-dry	1	04/22/2024 14:48	221642
Benzo(a)pyrene	NELAP	0.0039		**0.0223**	mg/Kg-dry	1	04/22/2024 14:48	221642
Benzo(b)fluoranthene	NELAP	0.0039		**0.0281**	mg/Kg-dry	1	04/22/2024 14:48	221642
Benzo(g,h,i)perylene	NELAP	0.0039		**0.0092**	mg/Kg-dry	1	04/22/2024 14:48	221642
Benzo(k)fluoranthene	NELAP	0.0039		**0.0100**	mg/Kg-dry	1	04/22/2024 14:48	221642
Biphenyl	*	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0774		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Chrysene	NELAP	0.0039		**0.0185**	mg/Kg-dry	1	04/22/2024 14:48	221642
Dibenzo(a,h)anthracene	NELAP	0.0039	J	**0.0031**	mg/Kg-dry	1	04/22/2024 14:48	221642
Diethyl phthalate	NELAP	0.115		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Dimethyl phthalate	NELAP	0.115		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Di-n-butyl phthalate	NELAP	0.0393		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Fluoranthene	NELAP	0.0039		**0.0312**	mg/Kg-dry	1	04/22/2024 14:48	221642
Fluorene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0039		**0.0089**	mg/Kg-dry	1	04/22/2024 14:48	221642
m,p-Cresol	NELAP	0.0115		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Naphthalene	NELAP	0.0193		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
o-Cresol	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 14:48	221642
Phenanthrene	NELAP	0.0069		**0.0181**	mg/Kg-dry	1	04/22/2024 14:48	221642
Pyrene	NELAP	0.0039		**0.0281**	mg/Kg-dry	1	04/22/2024 14:48	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**76.8**	%REC	1	04/22/2024 14:48	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**71.9**	%REC	1	04/22/2024 14:48	221642
Surr: Nitrobenzene-d5	*	35-99.6		**71.9**	%REC	1	04/22/2024 14:48	221642
Surr: Phenol-d5	*	40.9-103		**78.8**	%REC	1	04/22/2024 14:48	221642
Surr: p-Terphenyl-d14	*	42.7-105		**77.4**	%REC	1	04/22/2024 14:48	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-018 **Client Sample ID:** SS-18

Matrix: SOLID **Collection Date:** 04/17/2024 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**12.4**	%	1	04/18/2024 9:56	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0190		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
2-Methylnaphthalene	NELAP	0.0190		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Acenaphthene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Acenaphthylene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Anthracene	NELAP	0.0039		**0.0042**	mg/Kg-dry	1	04/22/2024 15:20	221642
Benzo(a)anthracene	NELAP	0.0114		**0.0208**	mg/Kg-dry	1	04/22/2024 15:20	221642
Benzo(a)pyrene	NELAP	0.0039		**0.0178**	mg/Kg-dry	1	04/22/2024 15:20	221642
Benzo(b)fluoranthene	NELAP	0.0039		**0.0242**	mg/Kg-dry	1	04/22/2024 15:20	221642
Benzo(g,h,i)perylene	NELAP	0.0039		**0.0076**	mg/Kg-dry	1	04/22/2024 15:20	221642
Benzo(k)fluoranthene	NELAP	0.0039		**0.0087**	mg/Kg-dry	1	04/22/2024 15:20	221642
Biphenyl	*	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Bis(2-ethylhexyl)phthalate	NELAP	0.0761		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Chrysene	NELAP	0.0039		**0.0163**	mg/Kg-dry	1	04/22/2024 15:20	221642
Dibenzo(a,h)anthracene	NELAP	0.0039	J	**0.0023**	mg/Kg-dry	1	04/22/2024 15:20	221642
Diethyl phthalate	NELAP	0.114		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Dimethyl phthalate	NELAP	0.114		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Di-n-butyl phthalate	NELAP	0.0386		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Fluoranthene	NELAP	0.0039		**0.0303**	mg/Kg-dry	1	04/22/2024 15:20	221642
Fluorene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Indeno(1,2,3-cd)pyrene	NELAP	0.0039		**0.0072**	mg/Kg-dry	1	04/22/2024 15:20	221642
m,p-Cresol	NELAP	0.0114		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Naphthalene	NELAP	0.0190		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
o-Cresol	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 15:20	221642
Phenanthrene	NELAP	0.0068		**0.0201**	mg/Kg-dry	1	04/22/2024 15:20	221642
Pyrene	NELAP	0.0039		**0.0261**	mg/Kg-dry	1	04/22/2024 15:20	221642
Surr: 2-Fluorobiphenyl	*	40.2-104		**67.1**	%REC	1	04/22/2024 15:20	221642
Surr: 2-Fluorophenol	*	37.3-95.8		**62.6**	%REC	1	04/22/2024 15:20	221642
Surr: Nitrobenzene-d5	*	35-99.6		**62.6**	%REC	1	04/22/2024 15:20	221642
Surr: Phenol-d5	*	40.9-103		**67.6**	%REC	1	04/22/2024 15:20	221642
Surr: p-Terphenyl-d14	*	42.7-105		**66.9**	%REC	1	04/22/2024 15:20	221642

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-019 **Client Sample ID:** SS-19

Matrix: SOLID **Collection Date:** 04/17/2024 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**12.9**	%	1	04/18/2024 9:49	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0191		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
2-Methylnaphthalene	NELAP	0.0191		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Acenaphthene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Acenaphthylene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Anthracene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Benzo(a)anthracene	NELAP	0.011	J	**0.0057**	mg/Kg-dry	1	04/22/2024 11:26	221696
Benzo(a)pyrene	NELAP	0.0039		**0.0061**	mg/Kg-dry	1	04/22/2024 11:26	221696
Benzo(b)fluoranthene	NELAP	0.0039		**0.0080**	mg/Kg-dry	1	04/22/2024 11:26	221696
Benzo(g,h,i)perylene	NELAP	0.0039	J	**0.0038**	mg/Kg-dry	1	04/22/2024 11:26	221696
Benzo(k)fluoranthene	NELAP	0.0039	J	**0.0034**	mg/Kg-dry	1	04/22/2024 11:26	221696
Biphenyl	*	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Bis(2-ethylhexyl)phthalate	NELAP	0.0766		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Chrysene	NELAP	0.0039		**0.0057**	mg/Kg-dry	1	04/22/2024 11:26	221696
Dibenzo(a,h)anthracene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Diethyl phthalate	NELAP	0.114		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Dimethyl phthalate	NELAP	0.114		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Di-n-butyl phthalate	NELAP	0.0389		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Fluoranthene	NELAP	0.0039		**0.0088**	mg/Kg-dry	1	04/22/2024 11:26	221696
Fluorene	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Indeno(1,2,3-cd)pyrene	NELAP	0.0039	J	**0.0034**	mg/Kg-dry	1	04/22/2024 11:26	221696
m,p-Cresol	NELAP	0.0114		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Naphthalene	NELAP	0.0191		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
o-Cresol	NELAP	0.0039		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Phenanthrene	NELAP	0.0069		**ND**	mg/Kg-dry	1	04/22/2024 11:26	221696
Pyrene	NELAP	0.0039		**0.0084**	mg/Kg-dry	1	04/22/2024 11:26	221696
Surr: 2-Fluorobiphenyl	*	40.2-104		**54.4**	%REC	1	04/22/2024 11:26	221696
Surr: 2-Fluorophenol	*	37.3-95.8		**56.7**	%REC	1	04/22/2024 11:26	221696
Surr: Nitrobenzene-d5	*	35-99.6		**54.3**	%REC	1	04/22/2024 11:26	221696
Surr: Phenol-d5	*	40.9-103		**58.5**	%REC	1	04/22/2024 11:26	221696
Surr: p-Terphenyl-d14	*	42.7-105		**69.5**	%REC	1	04/22/2024 11:26	221696

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-020 **Client Sample ID:** SS-20

Matrix: SOLID **Collection Date:** 04/17/2024 10:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**19.6**	%	1	04/18/2024 9:49	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0209		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
2-Methylnaphthalene	NELAP	0.021	J	**0.0025**	mg/Kg-dry	1	04/22/2024 12:57	221696
Acenaphthene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Acenaphthylene	NELAP	0.0043	J	**0.0017**	mg/Kg-dry	1	04/22/2024 12:57	221696
Anthracene	NELAP	0.0043		**0.0088**	mg/Kg-dry	1	04/22/2024 12:57	221696
Benzo(a)anthracene	NELAP	0.0125		**0.0547**	mg/Kg-dry	1	04/22/2024 12:57	221696
Benzo(a)pyrene	NELAP	0.0043		**0.0459**	mg/Kg-dry	1	04/22/2024 12:57	221696
Benzo(b)fluoranthene	NELAP	0.0043		**0.0601**	mg/Kg-dry	1	04/22/2024 12:57	221696
Benzo(g,h,i)perylene	NELAP	0.0043		**0.0238**	mg/Kg-dry	1	04/22/2024 12:57	221696
Benzo(k)fluoranthene	NELAP	0.0043		**0.0238**	mg/Kg-dry	1	04/22/2024 12:57	221696
Biphenyl	*	0.0043		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Bis(2-ethylhexyl)phthalate	NELAP	0.0839		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Chrysene	NELAP	0.0043		**0.0517**	mg/Kg-dry	1	04/22/2024 12:57	221696
Dibenzo(a,h)anthracene	NELAP	0.0043		**0.0083**	mg/Kg-dry	1	04/22/2024 12:57	221696
Diethyl phthalate	NELAP	0.125		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Dimethyl phthalate	NELAP	0.125		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Di-n-butyl phthalate	NELAP	0.0426		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Fluoranthene	NELAP	0.0043		**0.0759**	mg/Kg-dry	1	04/22/2024 12:57	221696
Fluorene	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Indeno(1,2,3-cd)pyrene	NELAP	0.0043		**0.0234**	mg/Kg-dry	1	04/22/2024 12:57	221696
m,p-Cresol	NELAP	0.0125		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Naphthalene	NELAP	0.0209		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
o-Cresol	NELAP	0.0043		**ND**	mg/Kg-dry	1	04/22/2024 12:57	221696
Phenanthrene	NELAP	0.0075		**0.0434**	mg/Kg-dry	1	04/22/2024 12:57	221696
Pyrene	NELAP	0.0043		**0.0697**	mg/Kg-dry	1	04/22/2024 12:57	221696
Surr: 2-Fluorobiphenyl	*	40.2-104		**58.9**	%REC	1	04/22/2024 12:57	221696
Surr: 2-Fluorophenol	*	37.3-95.8		**56.7**	%REC	1	04/22/2024 12:57	221696
Surr: Nitrobenzene-d5	*	35-99.6		**55.7**	%REC	1	04/22/2024 12:57	221696
Surr: Phenol-d5	*	40.9-103		**61.8**	%REC	1	04/22/2024 12:57	221696
Surr: p-Terphenyl-d14	*	42.7-105		**63.3**	%REC	1	04/22/2024 12:57	221696

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-021 **Client Sample ID:** SS-21

Matrix: SOLID **Collection Date:** 04/17/2024 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**18.9**	%	1	04/18/2024 9:49	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0201		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
2-Methylnaphthalene	NELAP	0.0201		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Acenaphthene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Acenaphthylene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Anthracene	NELAP	0.0041		**0.0044**	mg/Kg-dry	1	04/22/2024 13:28	221696
Benzo(a)anthracene	NELAP	0.0121		**0.0273**	mg/Kg-dry	1	04/22/2024 13:28	221696
Benzo(a)pyrene	NELAP	0.0041		**0.0245**	mg/Kg-dry	1	04/22/2024 13:28	221696
Benzo(b)fluoranthene	NELAP	0.0041		**0.0326**	mg/Kg-dry	1	04/22/2024 13:28	221696
Benzo(g,h,i)perylene	NELAP	0.0041		**0.0145**	mg/Kg-dry	1	04/22/2024 13:28	221696
Benzo(k)fluoranthene	NELAP	0.0041		**0.0133**	mg/Kg-dry	1	04/22/2024 13:28	221696
Biphenyl	*	0.0041		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Bis(2-ethylhexyl)phthalate	NELAP	0.0808		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Chrysene	NELAP	0.0041		**0.0213**	mg/Kg-dry	1	04/22/2024 13:28	221696
Dibenzo(a,h)anthracene	NELAP	0.0041		**0.0044**	mg/Kg-dry	1	04/22/2024 13:28	221696
Diethyl phthalate	NELAP	0.121		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Dimethyl phthalate	NELAP	0.121		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Di-n-butyl phthalate	NELAP	0.0410		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Fluoranthene	NELAP	0.0041		**0.0446**	mg/Kg-dry	1	04/22/2024 13:28	221696
Fluorene	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Indeno(1,2,3-cd)pyrene	NELAP	0.0041		**0.0141**	mg/Kg-dry	1	04/22/2024 13:28	221696
m,p-Cresol	NELAP	0.0121		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Naphthalene	NELAP	0.0201		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
o-Cresol	NELAP	0.0041		**ND**	mg/Kg-dry	1	04/22/2024 13:28	221696
Phenanthrene	NELAP	0.0072		**0.0237**	mg/Kg-dry	1	04/22/2024 13:28	221696
Pyrene	NELAP	0.0041		**0.0422**	mg/Kg-dry	1	04/22/2024 13:28	221696
Surr: 2-Fluorobiphenyl	*	40.2-104		**65.6**	%REC	1	04/22/2024 13:28	221696
Surr: 2-Fluorophenol	*	37.3-95.8		**60.4**	%REC	1	04/22/2024 13:28	221696
Surr: Nitrobenzene-d5	*	35-99.6		**63.0**	%REC	1	04/22/2024 13:28	221696
Surr: Phenol-d5	*	40.9-103		**65.9**	%REC	1	04/22/2024 13:28	221696
Surr: p-Terphenyl-d14	*	42.7-105		**67.1**	%REC	1	04/22/2024 13:28	221696

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-022 **Client Sample ID:** SS-22EB

Matrix: AQUEOUS **Collection Date:** 04/17/2024 8:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.00125		**ND**	mg/L	1	04/19/2024 12:26	221629
2-Methylnaphthalene	NELAP	0.00125		**ND**	mg/L	1	04/19/2024 12:26	221629
Acenaphthene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Acenaphthylene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Anthracene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Benzo(a)anthracene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Benzo(a)pyrene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Benzo(b)fluoranthene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Benzo(g,h,i)perylene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Benzo(k)fluoranthene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Biphenyl	*	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Bis(2-ethylhexyl)phthalate	NELAP	0.00500		**0.00508**	mg/L	1	04/19/2024 12:26	221629
Chrysene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Dibenzo(a,h)anthracene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Diethyl phthalate	NELAP	0.0025	J	**0.00040**	mg/L	1	04/19/2024 12:26	221629
Dimethyl phthalate	NELAP	0.00250		**ND**	mg/L	1	04/19/2024 12:26	221629
Di-n-butyl phthalate	NELAP	0.0025	J	**0.00070**	mg/L	1	04/19/2024 12:26	221629
Fluoranthene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Fluorene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Indeno(1,2,3-cd)pyrene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
m,p-Cresol	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Naphthalene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
o-Cresol	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Phenanthrene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Pyrene	NELAP	0.00025		**ND**	mg/L	1	04/19/2024 12:26	221629
Surr: 2-Fluorobiphenyl	*	13.8-99.2		**88.3**	%REC	1	04/19/2024 12:26	221629
Surr: 2-Fluorophenol	*	12-78.5		**63.1**	%REC	1	04/19/2024 12:26	221629
Surr: Nitrobenzene-d5	*	15.3-96.2		**73.4**	%REC	1	04/19/2024 12:26	221629
Surr: Phenol-d5	*	10-126		**51.0**	%REC	1	04/19/2024 12:26	221629
Surr: p-Terphenyl-d14	*	10-109		**85.8**	%REC	1	04/19/2024 12:26	221629

Elevated reporting limits due to limited sample.

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-023 **Client Sample ID:** SS-23EB

Matrix: AQUEOUS **Collection Date:** 04/16/2024 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.00109		**ND**	mg/L	1	04/19/2024 12:58	221629
2-Methylnaphthalene	NELAP	0.00109		**ND**	mg/L	1	04/19/2024 12:58	221629
Acenaphthene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Acenaphthylene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Anthracene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Benzo(a)anthracene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Benzo(a)pyrene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Benzo(b)fluoranthene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Benzo(g,h,i)perylene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Benzo(k)fluoranthene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Biphenyl	*	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Bis(2-ethylhexyl)phthalate	NELAP	0.0044	J	**0.0014**	mg/L	1	04/19/2024 12:58	221629
Chrysene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Dibenzo(a,h)anthracene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Diethyl phthalate	NELAP	0.00217		**ND**	mg/L	1	04/19/2024 12:58	221629
Dimethyl phthalate	NELAP	0.00217		**ND**	mg/L	1	04/19/2024 12:58	221629
Di-n-butyl phthalate	NELAP	0.0022	J	**0.00050**	mg/L	1	04/19/2024 12:58	221629
Fluoranthene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Fluorene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Indeno(1,2,3-cd)pyrene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
m,p-Cresol	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Naphthalene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
o-Cresol	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Phenanthrene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Pyrene	NELAP	0.00022		**ND**	mg/L	1	04/19/2024 12:58	221629
Surr: 2-Fluorobiphenyl	*	13.8-99.2		**82.0**	%REC	1	04/19/2024 12:58	221629
Surr: 2-Fluorophenol	*	12-78.5		**65.4**	%REC	1	04/19/2024 12:58	221629
Surr: Nitrobenzene-d5	*	15.3-96.2		**72.2**	%REC	1	04/19/2024 12:58	221629
Surr: Phenol-d5	*	10-126		**51.7**	%REC	1	04/19/2024 12:58	221629
Surr: p-Terphenyl-d14	*	10-109		**82.5**	%REC	1	04/19/2024 12:58	221629

Elevated reporting limits due to limited sample.

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

Lab ID: 24041481-024 **Client Sample ID:** SS-24DUP

Matrix: SOLID **Collection Date:** 04/16/2024 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		**5.7**	%	1	04/18/2024 9:47	R345993
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1-Methylnaphthalene	*	0.0845		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
2-Methylnaphthalene	NELAP	0.0845		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Acenaphthene	NELAP	0.0172		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Acenaphthylene	NELAP	0.017	J	**0.0067**	mg/Kg-dry	5	04/22/2024 13:58	221696
Anthracene	NELAP	0.017	J	**0.014**	mg/Kg-dry	5	04/22/2024 13:58	221696
Benzo(a)anthracene	NELAP	0.0506		**0.132**	mg/Kg-dry	5	04/22/2024 13:58	221696
Benzo(a)pyrene	NELAP	0.0172		**0.142**	mg/Kg-dry	5	04/22/2024 13:58	221696
Benzo(b)fluoranthene	NELAP	0.0172		**0.202**	mg/Kg-dry	5	04/22/2024 13:58	221696
Benzo(g,h,i)perylene	NELAP	0.0172		**0.103**	mg/Kg-dry	5	04/22/2024 13:58	221696
Benzo(k)fluoranthene	NELAP	0.0172		**0.0725**	mg/Kg-dry	5	04/22/2024 13:58	221696
Biphenyl	*	0.0172		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Bis(2-ethylhexyl)phthalate	NELAP	0.339		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Chrysene	NELAP	0.0172		**0.143**	mg/Kg-dry	5	04/22/2024 13:58	221696
Dibenzo(a,h)anthracene	NELAP	0.0172		**0.0253**	mg/Kg-dry	5	04/22/2024 13:58	221696
Diethyl phthalate	NELAP	0.506		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Dimethyl phthalate	NELAP	0.506		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Di-n-butyl phthalate	NELAP	0.172		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Fluoranthene	NELAP	0.0172		**0.243**	mg/Kg-dry	5	04/22/2024 13:58	221696
Fluorene	NELAP	0.0172		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Indeno(1,2,3-cd)pyrene	NELAP	0.0172		**0.0843**	mg/Kg-dry	5	04/22/2024 13:58	221696
m,p-Cresol	NELAP	0.0506		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Naphthalene	NELAP	0.0845		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
o-Cresol	NELAP	0.0172		**ND**	mg/Kg-dry	5	04/22/2024 13:58	221696
Phenanthrene	NELAP	0.0303		**0.0877**	mg/Kg-dry	5	04/22/2024 13:58	221696
Pyrene	NELAP	0.0172		**0.246**	mg/Kg-dry	5	04/22/2024 13:58	221696
Surr: 2-Fluorobiphenyl	*	40.2-104		**48.8**	%REC	5	04/22/2024 13:58	221696
Surr: 2-Fluorophenol	*	37.3-95.8		**38.2**	%REC	5	04/22/2024 13:58	221696
Surr: Nitrobenzene-d5	*	35-99.6		**42.0**	%REC	5	04/22/2024 13:58	221696
Surr: Phenol-d5	*	40.9-103		**44.4**	%REC	5	04/22/2024 13:58	221696
Surr: p-Terphenyl-d14	*	42.7-105		**52.6**	%REC	5	04/22/2024 13:58	221696

Elevated reporting limit due to sample extract composition.

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

EPA SW846 3550B, 5035A, ASTM D2974

Batch R345993 **SampType:** LCS Units **%**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Percent Moisture	*	0.1		**99.0**	99.00	0	100.0	90	110	04/18/2024
Percent Moisture	*	0.1		**99.0**	99.00	0	100.0	90	110	04/18/2024
Percent Moisture	*	0.1		**99.0**	99.00	0	100.0	90	110	04/18/2024
Percent Moisture	*	0.1		**99.0**	99.00	0	100.0	90	110	04/18/2024
Percent Moisture	*	0.1		**99.0**	99.00	0	100.0	90	110	04/18/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221629 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221629

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.00100		**ND**						04/19/2024
2-Methylnaphthalene		0.010		**ND**						04/19/2024
2-Methylnaphthalene		0.00100		**ND**						04/19/2024
Acenaphthene		0.010		**ND**						04/19/2024
Acenaphthene		0.00020		**ND**						04/19/2024
Acenaphthylene		0.010		**ND**						04/19/2024
Acenaphthylene		0.00020		**ND**						04/19/2024
Anthracene		0.010		**ND**						04/19/2024
Anthracene		0.00020		**ND**						04/19/2024
Benzo(a)anthracene		0.010		**ND**						04/19/2024
Benzo(a)anthracene		0.00020		**ND**						04/19/2024
Benzo(a)pyrene		0.00020		**ND**						04/19/2024
Benzo(a)pyrene		0.010		**ND**						04/19/2024
Benzo(b)fluoranthene		0.010		**ND**						04/19/2024
Benzo(b)fluoranthene		0.00020		**ND**						04/19/2024
Benzo(g,h,i)perylene		0.010		**ND**						04/19/2024
Benzo(g,h,i)perylene		0.00020		**ND**						04/19/2024
Benzo(k)fluoranthene		0.010		**ND**						04/19/2024
Benzo(k)fluoranthene		0.00020		**ND**						04/19/2024
Biphenyl	*	0.00020		**ND**						04/19/2024
Bis(2-ethylhexyl)phthalate		0.006		**ND**						04/19/2024
Bis(2-ethylhexyl)phthalate		0.00400		**ND**						04/19/2024
Chrysene		0.00020		**ND**						04/19/2024
Chrysene		0.010		**ND**						04/19/2024
Dibenzo(a,h)anthracene		0.00020		**ND**						04/19/2024
Dibenzo(a,h)anthracene		0.010		**ND**						04/19/2024
Diethyl phthalate		0.010		**ND**						04/19/2024
Diethyl phthalate		0.00200		**ND**						04/19/2024
Dimethyl phthalate		0.00200		**ND**						04/19/2024
Dimethyl phthalate		0.010		**ND**						04/19/2024
Di-n-butyl phthalate		0.00200		**ND**						04/19/2024
Di-n-butyl phthalate		0.010		**ND**						04/19/2024
Fluoranthene		0.00020		**ND**						04/19/2024
Fluoranthene		0.010		**ND**						04/19/2024
Fluorene		0.010		**ND**						04/19/2024
Fluorene		0.00020		**ND**						04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221629 **SampType:** MBLK Units **mg/L**

SampID: MBLK-221629

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Indeno(1,2,3-cd)pyrene		0.010		**ND**						04/19/2024
Indeno(1,2,3-cd)pyrene		0.00020		**ND**						04/19/2024
m,p-Cresol		0.00020		**ND**						04/19/2024
m,p-Cresol		0.010		**ND**						04/19/2024
Naphthalene		0.010		**ND**						04/19/2024
Naphthalene		0.00020		**ND**						04/19/2024
o-Cresol		0.010		**ND**						04/19/2024
o-Cresol		0.00020		**ND**						04/19/2024
Phenanthrene		0.010		**ND**						04/19/2024
Phenanthrene		0.00020		**ND**						04/19/2024
Pyrene		0.010		**ND**						04/19/2024
Pyrene		0.00020		**ND**						04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.0399**	0.0500		79.9	56.7	106	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.040**	0.0500		79.9	50.5	105	04/19/2024
Surr: 2-Fluorophenol	*			**0.0719**	0.1000		71.9	41.1	85.9	04/19/2024
Surr: 2-Fluorophenol	*			**0.072**	0.1000		71.9	42.9	88.3	04/19/2024
Surr: Nitrobenzene-d5	*			**0.038**	0.0500		76.7	45	107	04/19/2024
Surr: Nitrobenzene-d5	*			**0.0384**	0.0500		76.7	47.7	113	04/19/2024
Surr: Phenol-d5	*			**0.0560**	0.1000		56.0	32.2	64.7	04/19/2024
Surr: Phenol-d5	*			**0.056**	0.1000		56.0	31.7	66.2	04/19/2024
Surr: p-Terphenyl-d14	*			**0.0335**	0.0500		67.0	46.4	120	04/19/2024
Surr: p-Terphenyl-d14	*			**0.034**	0.0500		67.0	43.8	108	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221629 **SampType:** LCS Units **mg/L**

SampID: LCS-221629

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.00100		**0.0824**	0.1000	0	82.4	58.1	112	04/19/2024
2-Methylnaphthalene		0.010		**0.081**	0.1000	0	80.6	58.6	115	04/19/2024
2-Methylnaphthalene		0.00100		**0.0806**	0.1000	0	80.6	56	105	04/19/2024
Acenaphthene		0.010		**0.077**	0.1000	0	76.6	63.1	108	04/19/2024
Acenaphthene		0.00020		**0.0766**	0.1000	0	76.6	56.5	109	04/19/2024
Acenaphthylene		0.010		**0.071**	0.1000	0	71.1	62.5	109	04/19/2024
Acenaphthylene		0.00020		**0.0711**	0.1000	0	71.1	60.7	115	04/19/2024
Anthracene		0.010		**0.078**	0.1000	0	77.6	65.6	113	04/19/2024
Anthracene		0.00020		**0.0776**	0.1000	0	77.6	57.9	110	04/19/2024
Benzo(a)anthracene		0.010		**0.078**	0.1000	0	78.4	64.2	117	04/19/2024
Benzo(a)anthracene		0.00020		**0.0784**	0.1000	0	78.4	57.9	114	04/19/2024
Benzo(a)pyrene		0.00020		**0.0800**	0.1000	0	80.0	57.1	116	04/19/2024
Benzo(a)pyrene		0.010		**0.080**	0.1000	0	80.0	61.6	127	04/19/2024
Benzo(b)fluoranthene		0.010		**0.075**	0.1000	0	75.4	62	115	04/19/2024
Benzo(b)fluoranthene		0.00020		**0.0754**	0.1000	0	75.4	59.1	110	04/19/2024
Benzo(g,h,i)perylene		0.00020		**0.0743**	0.1000	0	74.3	61	129	04/19/2024
Benzo(g,h,i)perylene		0.010		**0.074**	0.1000	0	74.3	55.1	133	04/19/2024
Benzo(k)fluoranthene		0.010		**0.081**	0.1000	0	81.4	62.8	126	04/19/2024
Benzo(k)fluoranthene		0.00020		**0.0814**	0.1000	0	81.4	57.3	118	04/19/2024
Bis(2-ethylhexyl)phthalate		0.006		**0.082**	0.1000	0	81.8	62.7	126	04/19/2024
Bis(2-ethylhexyl)phthalate		0.00400		**0.0818**	0.1000	0	81.8	65.5	122	04/19/2024
Chrysene		0.00020		**0.0771**	0.1000	0	77.1	61.6	114	04/19/2024
Chrysene		0.010		**0.077**	0.1000	0	77.1	61.5	115	04/19/2024
Dibenzo(a,h)anthracene		0.010		**0.078**	0.1000	0	77.5	62.9	123	04/19/2024
Dibenzo(a,h)anthracene		0.00020		**0.0775**	0.1000	0	77.5	61.2	117	04/19/2024
Diethyl phthalate		0.00200		**0.0709**	0.1000	0	70.9	62.5	109	04/19/2024
Diethyl phthalate		0.010		**0.071**	0.1000	0	70.9	61.4	110	04/19/2024
Dimethyl phthalate		0.00200		**0.0725**	0.1000	0	72.5	61.5	110	04/19/2024
Dimethyl phthalate		0.010		**0.073**	0.1000	0	72.5	63.4	108	04/19/2024
Di-n-butyl phthalate		0.00200		**0.0704**	0.1000	0	70.4	60.7	108	04/19/2024
Di-n-butyl phthalate		0.010		**0.070**	0.1000	0	70.4	61.4	109	04/19/2024
Fluoranthene		0.00020		**0.0752**	0.1000	0	75.2	58.9	108	04/19/2024
Fluoranthene		0.010		**0.075**	0.1000	0	75.2	63.5	113	04/19/2024
Fluorene		0.00020		**0.0737**	0.1000	0	73.7	57.7	108	04/19/2024
Fluorene		0.010		**0.074**	0.1000	0	73.7	63.8	108	04/19/2024
Indeno(1,2,3-cd)pyrene		0.00020		**0.0792**	0.1000	0	79.2	57.6	109	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221629 **SampType:** LCS Units **mg/L**

SampID: LCS-221629

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Indeno(1,2,3-cd)pyrene		0.010		**0.079**	0.1000	0	79.2	61.6	126	04/19/2024
m,p-Cresol		0.00020		**0.0766**	0.1000	0	76.6	46.2	100	04/19/2024
m,p-Cresol		0.010		**0.077**	0.1000	0	76.6	54.7	104	04/19/2024
Naphthalene		0.00020		**0.0710**	0.1000	0	71.0	51.6	96.1	04/19/2024
Naphthalene		0.010		**0.071**	0.1000	0	71.0	58.1	100	04/19/2024
o-Cresol		0.00020		**0.0823**	0.1000	0	82.3	51.6	106	04/19/2024
o-Cresol		0.010		**0.082**	0.1000	0	82.3	60.2	112	04/19/2024
Phenanthrene		0.00020		**0.0759**	0.1000	0	75.9	59.1	108	04/19/2024
Phenanthrene		0.010		**0.076**	0.1000	0	75.9	63.5	109	04/19/2024
Pyrene		0.010		**0.078**	0.1000	0	77.7	62.5	115	04/19/2024
Pyrene		0.00020		**0.0777**	0.1000	0	77.7	60.6	109	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.038**	0.0500		75.8	50.5	105	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.0379**	0.0500		75.8	56.7	106	04/19/2024
Surr: 2-Fluorophenol	*			**0.068**	0.1000		67.5	42.9	88.3	04/19/2024
Surr: 2-Fluorophenol	*			**0.0675**	0.1000		67.5	41.1	85.9	04/19/2024
Surr: Nitrobenzene-d5	*			**0.042**	0.0500		83.8	45	107	04/19/2024
Surr: Nitrobenzene-d5	*			**0.0419**	0.0500		83.8	47.7	113	04/19/2024
Surr: Phenol-d5	*			**0.053**	0.1000		52.7	31.7	66.2	04/19/2024
Surr: Phenol-d5	*			**0.0527**	0.1000		52.7	32.2	64.7	04/19/2024
Surr: p-Terphenyl-d14	*			**0.0317**	0.0500		63.5	46.4	120	04/19/2024
Surr: p-Terphenyl-d14	*			**0.032**	0.0500		63.5	43.8	108	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221629 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-221629

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1-Methylnaphthalene	*	0.00100		**0.0802**	0.1000	0	80.2	0.08236	2.68	04/19/2024
2-Methylnaphthalene		0.010		**0.079**	0.1000	0	78.8	0.08062	2.31	04/19/2024
2-Methylnaphthalene		0.00100		**0.0788**	0.1000	0	78.8	0.08062	2.31	04/19/2024
Acenaphthene		0.00020		**0.0739**	0.1000	0	73.9	0.07662	3.61	04/19/2024
Acenaphthene		0.010		**0.074**	0.1000	0	73.9	0.07662	3.61	04/19/2024
Acenaphthylene		0.010		**0.069**	0.1000	0	68.9	0.07112	3.14	04/19/2024
Acenaphthylene		0.00020		**0.0689**	0.1000	0	68.9	0.07112	3.14	04/19/2024
Anthracene		0.010		**0.075**	0.1000	0	75.4	0.07762	2.93	04/19/2024
Anthracene		0.00020		**0.0754**	0.1000	0	75.4	0.07762	2.93	04/19/2024
Benzo(a)anthracene		0.010		**0.076**	0.1000	0	75.8	0.07840	3.35	04/19/2024
Benzo(a)anthracene		0.00020		**0.0758**	0.1000	0	75.8	0.07840	3.35	04/19/2024
Benzo(a)pyrene		0.010		**0.077**	0.1000	0	76.6	0.07996	4.27	04/19/2024
Benzo(a)pyrene		0.00020		**0.0766**	0.1000	0	76.6	0.07996	4.27	04/19/2024
Benzo(b)fluoranthene		0.010		**0.072**	0.1000	0	72.0	0.07544	4.64	04/19/2024
Benzo(b)fluoranthene		0.00020		**0.0720**	0.1000	0	72.0	0.07544	4.64	04/19/2024
Benzo(g,h,i)perylene		0.010		**0.070**	0.1000	0	69.6	0.07434	6.59	04/19/2024
Benzo(g,h,i)perylene		0.00020		**0.0696**	0.1000	0	69.6	0.07434	6.59	04/19/2024
Benzo(k)fluoranthene		0.00020		**0.0785**	0.1000	0	78.5	0.08142	3.70	04/19/2024
Benzo(k)fluoranthene		0.010		**0.078**	0.1000	0	78.5	0.08142	3.70	04/19/2024
Bis(2-ethylhexyl)phthalate		0.00400		**0.0791**	0.1000	0	79.1	0.08182	3.38	04/19/2024
Bis(2-ethylhexyl)phthalate		0.006		**0.079**	0.1000	0	79.1	0.08182	3.38	04/19/2024
Chrysene		0.00020		**0.0745**	0.1000	0	74.5	0.07706	3.38	04/19/2024
Chrysene		0.010		**0.074**	0.1000	0	74.5	0.07706	3.38	04/19/2024
Dibenzo(a,h)anthracene		0.00020		**0.0733**	0.1000	0	73.3	0.07750	5.52	04/19/2024
Dibenzo(a,h)anthracene		0.010		**0.073**	0.1000	0	73.3	0.07750	5.52	04/19/2024
Diethyl phthalate		0.00200		**0.0682**	0.1000	0	68.2	0.07094	4.00	04/19/2024
Diethyl phthalate		0.010		**0.068**	0.1000	0	68.2	0.07094	4.00	04/19/2024
Dimethyl phthalate		0.00200		**0.0698**	0.1000	0	69.8	0.07252	3.85	04/19/2024
Dimethyl phthalate		0.010		**0.070**	0.1000	0	69.8	0.07252	3.85	04/19/2024
Di-n-butyl phthalate		0.010		**0.068**	0.1000	0	68.2	0.07044	3.17	04/19/2024
Di-n-butyl phthalate		0.00200		**0.0682**	0.1000	0	68.2	0.07044	3.17	04/19/2024
Fluoranthene		0.00020		**0.0728**	0.1000	0	72.8	0.07516	3.24	04/19/2024
Fluoranthene		0.010		**0.073**	0.1000	0	72.8	0.07516	3.24	04/19/2024
Fluorene		0.010		**0.071**	0.1000	0	70.9	0.07366	3.76	04/19/2024
Fluorene		0.00020		**0.0709**	0.1000	0	70.9	0.07366	3.76	04/19/2024
Indeno(1,2,3-cd)pyrene		0.00020		**0.0748**	0.1000	0	74.8	0.07924	5.79	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221629 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-221629

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Indeno(1,2,3-cd)pyrene		0.010		**0.075**	0.1000	0	74.8	0.07924	5.79	04/19/2024
m,p-Cresol		0.010		**0.074**	0.1000	0	74.1	0.07660	3.29	04/19/2024
m,p-Cresol		0.00020		**0.0741**	0.1000	0	74.1	0.07660	3.29	04/19/2024
Naphthalene		0.010		**0.069**	0.1000	0	69.0	0.07100	2.80	04/19/2024
Naphthalene		0.00020		**0.0690**	0.1000	0	69.0	0.07100	2.80	04/19/2024
o-Cresol		0.010		**0.080**	0.1000	0	79.9	0.08230	2.98	04/19/2024
o-Cresol		0.00020		**0.0799**	0.1000	0	79.9	0.08230	2.98	04/19/2024
Phenanthrene		0.010		**0.074**	0.1000	0	73.9	0.07586	2.64	04/19/2024
Phenanthrene		0.00020		**0.0739**	0.1000	0	73.9	0.07586	2.64	04/19/2024
Pyrene		0.00020		**0.0742**	0.1000	0	74.2	0.07768	4.64	04/19/2024
Pyrene		0.010		**0.074**	0.1000	0	74.2	0.07768	4.64	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.0362**	0.0500		72.5			04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.036**	0.0500		72.5			04/19/2024
Surr: 2-Fluorophenol	*			**0.0645**	0.1000		64.5			04/19/2024
Surr: 2-Fluorophenol	*			**0.065**	0.1000		64.5			04/19/2024
Surr: Nitrobenzene-d5	*			**0.0397**	0.0500		79.3			04/19/2024
Surr: Nitrobenzene-d5	*			**0.040**	0.0500		79.3			04/19/2024
Surr: Phenol-d5	*			**0.051**	0.1000		51.3			04/19/2024
Surr: Phenol-d5	*			**0.0513**	0.1000		51.3			04/19/2024
Surr: p-Terphenyl-d14	*			**0.031**	0.0500		61.8			04/19/2024
Surr: p-Terphenyl-d14	*			**0.0309**	0.0500		61.8			04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** MBLK Units **mg/Kg**

SampID: MBLK-221642

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.500		**ND**						04/19/2024
Acenaphthene		0.034		**ND**						04/19/2024
Acenaphthene		0.0340		**ND**						04/19/2024
Acenaphthylene		0.034		**ND**						04/19/2024
Acenaphthylene		0.0340		**ND**						04/19/2024
Anthracene		0.034		**ND**						04/19/2024
Anthracene		0.0340		**ND**						04/19/2024
Benzo(a)anthracene		0.0340		**ND**						04/19/2024
Benzo(a)anthracene		0.034		**ND**						04/19/2024
Benzo(a)pyrene		0.100		**ND**						04/19/2024
Benzo(a)pyrene		0.100		**ND**						04/19/2024
Benzo(b)fluoranthene		0.034		**ND**						04/19/2024
Benzo(b)fluoranthene		0.0340		**ND**						04/19/2024
Benzo(g,h,i)perylene		0.034		**ND**						04/19/2024
Benzo(g,h,i)perylene		0.0340		**ND**						04/19/2024
Benzo(k)fluoranthene		0.034		**ND**						04/19/2024
Benzo(k)fluoranthene		0.0340		**ND**						04/19/2024
Bis(2-ethylhexyl)phthalate		0.350		**ND**						04/19/2024
Chrysene		0.0340		**ND**						04/19/2024
Chrysene		0.034		**ND**						04/19/2024
Dibenzo(a,h)anthracene		0.0340		**ND**						04/19/2024
Dibenzo(a,h)anthracene		0.034		**ND**						04/19/2024
Diethyl phthalate		0.500		**ND**						04/19/2024
Dimethyl phthalate		0.350		**ND**						04/19/2024
Di-n-butyl phthalate		0.350		**ND**						04/19/2024
Fluoranthene		0.0340		**ND**						04/19/2024
Fluoranthene		0.034		**ND**						04/19/2024
Fluorene		0.034		**ND**						04/19/2024
Fluorene		0.0340		**ND**						04/19/2024
Indeno(1,2,3-cd)pyrene		0.034		**ND**						04/19/2024
Indeno(1,2,3-cd)pyrene		0.0340		**ND**						04/19/2024
m,p-Cresol		0.500		**ND**						04/19/2024
Naphthalene		0.0340		**ND**						04/19/2024
Naphthalene		0.034		**ND**						04/19/2024
o-Cresol		0.500		**ND**						04/19/2024
Phenanthrene		0.034		**ND**						04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** MBLK Units **mg/Kg**

SampID: MBLK-221642

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenanthrene		0.0340		**ND**						04/19/2024
Pyrene		0.034		**ND**						04/19/2024
Pyrene		0.0340		**ND**						04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.726**	0.8350		86.9	54.7	116	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.557**	0.8330		66.9	47	100	04/19/2024
Surr: 2-Fluorophenol	*			**1.13**	1.667		68.0	40.7	101	04/19/2024
Surr: Nitrobenzene-d5	*			**0.532**	0.8330		63.9	43.9	100	04/19/2024
Surr: Nitrobenzene-d5	*			**0.641**	0.8350		76.8	25.5	113	04/19/2024
Surr: Phenol-d5	*			**1.22**	1.667		73.1	38.8	105	04/19/2024
Surr: p-Terphenyl-d14	*			**0.718**	0.8350		85.9	55.6	118	04/19/2024
Surr: p-Terphenyl-d14	*			**0.580**	0.8330		69.6	49.6	111	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** LCS Units **mg/Kg**

SampID: LCS-221642

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.500		**1.13**	1.667	0	67.9	46.3	103	04/19/2024
Acenaphthene		0.0340		**1.33**	1.670	0	79.4	48.5	106	04/19/2024
Acenaphthene		0.034		**1.13**	1.667	0	67.8	57.5	97.2	04/19/2024
Acenaphthylene		0.0340		**1.27**	1.670	0	75.8	54.7	111	04/19/2024
Acenaphthylene		0.034		**1.07**	1.667	0	64.5	59.8	101	04/19/2024
Anthracene		0.0340		**1.25**	1.670	0	74.7	54.3	108	04/19/2024
Anthracene		0.034		**1.08**	1.667	0	64.7	57.8	102	04/19/2024
Benzo(a)anthracene		0.0340		**1.28**	1.670	0	76.8	57.7	110	04/19/2024
Benzo(a)anthracene		0.034		**1.07**	1.667	0	64.4	54.8	107	04/19/2024
Benzo(a)pyrene		0.100		**1.10**	1.667	0	65.9	55.4	108	04/19/2024
Benzo(a)pyrene		0.100		**1.28**	1.670	0	76.9	55	118	04/19/2024
Benzo(b)fluoranthene		0.034		**1.11**	1.667	0	66.4	56.4	103	04/19/2024
Benzo(b)fluoranthene		0.0340		**1.24**	1.670	0	74.2	54.4	115	04/19/2024
Benzo(g,h,i)perylene		0.0340		**1.15**	1.670	0	68.8	37.1	124	04/19/2024
Benzo(g,h,i)perylene		0.034		**1.02**	1.667	0	61.4	49.6	120	04/19/2024
Benzo(k)fluoranthene		0.034		**1.17**	1.667	0	70.1	57	111	04/19/2024
Benzo(k)fluoranthene		0.0340		**1.30**	1.670	0	77.9	57.4	122	04/19/2024
Bis(2-ethylhexyl)phthalate		0.350		**1.17**	1.667	0	70.1	54.7	111	04/19/2024
Chrysene		0.0340		**1.26**	1.670	0	75.3	59.3	110	04/19/2024
Chrysene		0.034		**1.02**	1.667	0	60.9	54.2	106	04/19/2024
Dibenzo(a,h)anthracene		0.0340		**1.14**	1.670	0	68.4	52	113	04/19/2024
Dibenzo(a,h)anthracene		0.034		**1.17**	1.667	0	70.1	54.8	111	04/19/2024
Diethyl phthalate		0.500		**1.14**	1.667	0	68.7	58.8	99.3	04/19/2024
Dimethyl phthalate		0.350		**1.12**	1.667	0	67.4	59.2	98.9	04/19/2024
Di-n-butyl phthalate		0.350		**1.11**	1.667	0	66.4	56.2	99.1	04/19/2024
Fluoranthene		0.0340		**1.23**	1.670	0	73.8	61.3	111	04/19/2024
Fluoranthene		0.034		**1.13**	1.667	0	67.8	59.1	103	04/19/2024
Fluorene		0.034		**1.17**	1.667	0	70.0	56.9	99.4	04/19/2024
Fluorene		0.0340		**1.28**	1.670	0	76.5	54.3	109	04/19/2024
Indeno(1,2,3-cd)pyrene		0.0340		**1.14**	1.670	0	68.4	43.5	118	04/19/2024
Indeno(1,2,3-cd)pyrene		0.034		**1.14**	1.667	0	68.2	50.8	114	04/19/2024
m,p-Cresol		0.500		**1.29**	1.667	0	77.4	54.6	100	04/19/2024
Naphthalene		0.0340		**1.21**	1.670	0	72.7	46.8	96.7	04/19/2024
Naphthalene		0.034		**1.11**	1.667	0	66.4	52	91.7	04/19/2024
o-Cresol		0.500		**1.19**	1.667	0	71.3	54.2	103	04/19/2024
Phenanthrene		0.034		**1.05**	1.667	0	63.1	57	100	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** LCS Units **mg/Kg**

SampID: LCS-221642

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenanthrene		0.0340		**1.27**	1.670	0	76.0	54.7	108	04/19/2024
Pyrene		0.034		**1.15**	1.667	0	68.8	58.9	103	04/19/2024
Pyrene		0.0340		**1.25**	1.670	0	75.0	61.9	111	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.675**	0.8350		80.8	54.7	116	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.555**	0.8330		66.7	47	100	04/19/2024
Surr: 2-Fluorophenol	*			**1.16**	1.667		69.8	40.7	101	04/19/2024
Surr: Nitrobenzene-d5	*			**0.703**	0.8350		84.2	25.5	113	04/19/2024
Surr: Nitrobenzene-d5	*			**0.539**	0.8330		64.7	43.9	100	04/19/2024
Surr: Phenol-d5	*			**1.28**	1.667		76.8	38.8	105	04/19/2024
Surr: p-Terphenyl-d14	*			**0.523**	0.8330		62.8	49.6	111	04/19/2024
Surr: p-Terphenyl-d14	*			**0.610**	0.8350		73.1	55.6	118	04/19/2024

Batch 221642 **SampType:** LCSG Units **%REC**

SampID: LCSDRO-221642

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl	*			**0.664**	0.8350		79.5	54.7	116	04/19/2024
Surr: Nitrobenzene-d5	*			**0.588**	0.8350		70.4	25.5	113	04/19/2024
Surr: p-Terphenyl-d14	*			**0.625**	0.8350		74.9	55.6	118	04/19/2024

Batch 221642 **SampType:** MS Units **%REC**

SampID: 24041421-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl	*			**0.803**	0.9599		83.7	39	117	04/19/2024
Surr: Nitrobenzene-d5	*			**0.693**	0.9599		72.2	15.8	96.9	04/19/2024
Surr: p-Terphenyl-d14	*			**0.742**	0.9599		77.3	42.1	115	04/19/2024

Batch 221642 **SampType:** MSD Units **%REC** RPD Limit **0**

SampID: 24041421-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 2-Fluorobiphenyl	*			**0.779**	0.9930		78.4			04/19/2024
Surr: Nitrobenzene-d5	*			**0.664**	0.9930		66.8			04/19/2024
Surr: p-Terphenyl-d14	*			**0.791**	0.9930		79.6			04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** MBLK Units **mg/Kg**

SampID: MBLK-221696

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.500		ND						04/23/2024
Acenaphthene		0.0340		ND						04/22/2024
Acenaphthene		0.034		ND						04/23/2024
Acenaphthylene		0.0340		ND						04/22/2024
Acenaphthylene		0.034		ND						04/23/2024
Anthracene		0.0340		ND						04/22/2024
Anthracene		0.034		ND						04/23/2024
Benzo(a)anthracene		0.0340		ND						04/22/2024
Benzo(a)anthracene		0.034		ND						04/23/2024
Benzo(a)pyrene		0.100		ND						04/23/2024
Benzo(a)pyrene		0.100		ND						04/22/2024
Benzo(b)fluoranthene		0.034		ND						04/23/2024
Benzo(b)fluoranthene		0.0340		ND						04/22/2024
Benzo(g,h,i)perylene		0.0340		ND						04/22/2024
Benzo(g,h,i)perylene		0.034		ND						04/23/2024
Benzo(k)fluoranthene		0.034		ND						04/23/2024
Benzo(k)fluoranthene		0.0340		ND						04/22/2024
Bis(2-ethylhexyl)phthalate		0.350		ND						04/23/2024
Chrysene		0.0340		ND						04/22/2024
Chrysene		0.034		ND						04/23/2024
Dibenzo(a,h)anthracene		0.0340		ND						04/22/2024
Dibenzo(a,h)anthracene		0.034		ND						04/23/2024
Diethyl phthalate		0.500		ND						04/23/2024
Dimethyl phthalate		0.350		ND						04/23/2024
Di-n-butyl phthalate		0.350		ND						04/23/2024
Fluoranthene		0.0340		ND						04/22/2024
Fluoranthene		0.034		ND						04/23/2024
Fluorene		0.0340		ND						04/22/2024
Fluorene		0.034		ND						04/23/2024
Indeno(1,2,3-cd)pyrene		0.0340		ND						04/22/2024
Indeno(1,2,3-cd)pyrene		0.034		ND						04/23/2024
m,p-Cresol		0.500		ND						04/23/2024
Naphthalene		0.034		ND						04/23/2024
Naphthalene		0.0340		ND						04/22/2024
o-Cresol		0.500		ND						04/23/2024
Phenanthrene		0.034		ND						04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** MBLK Units **mg/Kg**

SampID: MBLK-221696

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenanthrene		0.0340		**ND**						04/22/2024
Pyrene		0.034		**ND**						04/23/2024
Pyrene		0.0340		**ND**						04/22/2024
Surr: 2-Fluorobiphenyl	*			**0.432**	0.8330		51.9	47	100	04/23/2024
Surr: 2-Fluorobiphenyl	*			**0.626**	0.8350		74.9	54.7	116	04/22/2024
Surr: 2-Fluorophenol	*			**0.934**	1.667		56.0	40.7	101	04/23/2024
Surr: Nitrobenzene-d5	*			**0.560**	0.8350		67.1	25.5	113	04/22/2024
Surr: Nitrobenzene-d5	*			**0.444**	0.8330		53.3	43.9	100	04/23/2024
Surr: Phenol-d5	*			**0.959**	1.667		57.5	38.8	105	04/23/2024
Surr: p-Terphenyl-d14	*			**0.763**	0.8350		91.4	55.6	118	04/22/2024
Surr: p-Terphenyl-d14	*			**0.565**	0.8330		67.8	49.6	111	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** LCS Units **mg/Kg**

SampID: LCS-221696

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.500		**1.31**	1.667	0	78.7	46.3	103	04/22/2024
Acenaphthene		0.034		**1.40**	1.667	0	84.2	57.5	97.2	04/22/2024
Acenaphthene		0.0340		**1.46**	1.670	0	87.6	48.5	106	04/22/2024
Acenaphthylene		0.034		**1.38**	1.667	0	83.0	59.8	101	04/22/2024
Acenaphthylene		0.0340		**1.38**	1.670	0	82.8	54.7	111	04/22/2024
Anthracene		0.034		**1.42**	1.667	0	85.4	57.8	102	04/22/2024
Anthracene		0.0340		**1.48**	1.670	0	88.7	54.3	108	04/22/2024
Benzo(a)anthracene		0.034		**1.56**	1.667	0	93.9	54.8	107	04/22/2024
Benzo(a)anthracene		0.0340		**1.55**	1.670	0	93.0	57.7	110	04/22/2024
Benzo(a)pyrene		0.100		**1.57**	1.670	0	93.9	55	118	04/22/2024
Benzo(a)pyrene		0.100		**1.58**	1.667	0	94.6	55.4	108	04/22/2024
Benzo(b)fluoranthene		0.0340		**1.52**	1.670	0	91.1	54.4	115	04/22/2024
Benzo(b)fluoranthene		0.034		**1.53**	1.667	0	91.9	56.4	103	04/22/2024
Benzo(g,h,i)perylene		0.0340		**1.40**	1.670	0	84.0	37.1	124	04/22/2024
Benzo(g,h,i)perylene		0.034		**1.52**	1.667	0	91.0	49.6	120	04/22/2024
Benzo(k)fluoranthene		0.0340		**1.59**	1.670	0	95.4	57.4	122	04/22/2024
Benzo(k)fluoranthene		0.034		**1.68**	1.667	0	100.9	57	111	04/22/2024
Bis(2-ethylhexyl)phthalate		0.350		**1.69**	1.667	0	101.5	54.7	111	04/22/2024
Chrysene		0.0340		**1.55**	1.670	0	92.6	59.3	110	04/22/2024
Chrysene		0.034		**1.48**	1.667	0	89.0	54.2	106	04/22/2024
Dibenzo(a,h)anthracene		0.0340		**1.35**	1.670	0	80.6	52	113	04/22/2024
Dibenzo(a,h)anthracene		0.034		**1.76**	1.667	0	105.4	54.8	111	04/22/2024
Diethyl phthalate		0.500		**1.55**	1.667	0	93.2	58.8	99.3	04/22/2024
Dimethyl phthalate		0.350		**1.53**	1.667	0	91.8	59.2	98.9	04/22/2024
Di-n-butyl phthalate		0.350		**1.52**	1.667	0	91.0	56.2	99.1	04/22/2024
Fluoranthene		0.034		**1.48**	1.667	0	88.8	59.1	103	04/22/2024
Fluoranthene		0.0340		**1.50**	1.670	0	89.9	61.3	111	04/22/2024
Fluorene		0.034		**1.48**	1.667	0	88.6	56.9	99.4	04/22/2024
Fluorene		0.0340		**1.42**	1.670	0	85.3	54.3	109	04/22/2024
Indeno(1,2,3-cd)pyrene		0.034		**1.71**	1.667	0	102.8	50.8	114	04/22/2024
Indeno(1,2,3-cd)pyrene		0.0340		**1.32**	1.670	0	79.3	43.5	118	04/22/2024
m,p-Cresol		0.500		**1.38**	1.667	0	82.6	54.6	100	04/22/2024
Naphthalene		0.034		**1.21**	1.667	0	72.5	52	91.7	04/22/2024
Naphthalene		0.0340		**1.18**	1.670	0	70.6	46.8	96.7	04/22/2024
o-Cresol		0.500		**1.21**	1.667	0	72.5	54.2	103	04/22/2024
Phenanthrene		0.034		**1.45**	1.667	0	86.8	57	100	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** LCS Units **mg/Kg**

SampID: LCS-221696

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenanthrene		0.0340		**1.50**	1.670	0	89.5	54.7	108	04/22/2024
Pyrene		0.0340		**1.54**	1.670	0	92.4	61.9	111	04/22/2024
Pyrene		0.034		**1.52**	1.667	0	91.1	58.9	103	04/22/2024
Surr: 2-Fluorobiphenyl	*			**0.725**	0.8350		86.9	54.7	116	04/22/2024
Surr: 2-Fluorobiphenyl	*			**0.663**	0.8330		79.6	47	100	04/22/2024
Surr: 2-Fluorophenol	*			**1.18**	1.667		70.7	40.7	101	04/22/2024
Surr: Nitrobenzene-d5	*			**0.588**	0.8330		70.6	43.9	100	04/22/2024
Surr: Nitrobenzene-d5	*			**0.702**	0.8350		84.1	25.5	113	04/22/2024
Surr: Phenol-d5	*			**1.29**	1.667		77.6	38.8	105	04/22/2024
Surr: p-Terphenyl-d14	*			**0.709**	0.8330		85.2	49.6	111	04/22/2024
Surr: p-Terphenyl-d14	*			**0.752**	0.8350		90.1	55.6	118	04/22/2024

Batch 221696 **SampType:** LCSG Units **%REC**

SampID: LCSDRO-221696

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl	*			**0.680**	0.8350		81.4	54.7	116	04/22/2024
Surr: Nitrobenzene-d5	*			**0.589**	0.8350		70.6	25.5	113	04/22/2024
Surr: p-Terphenyl-d14	*			**0.685**	0.8350		82.1	55.6	118	04/22/2024

Batch 221696 **SampType:** MS Units **%REC**

SampID: 24041610-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 2-Fluorobiphenyl	*			**0.916**	1.089		84.1	39	117	04/22/2024
Surr: Nitrobenzene-d5	*			**0.792**	1.089		72.7	15.8	96.9	04/22/2024
Surr: p-Terphenyl-d14	*			**0.963**	1.089		88.5	42.1	115	04/22/2024

Batch 221696 **SampType:** MSD Units **%REC** RPD Limit **0**

SampID: 24041610-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 2-Fluorobiphenyl	*			**0.847**	1.062		79.8			04/22/2024
Surr: Nitrobenzene-d5	*			**0.747**	1.062		70.3			04/22/2024
Surr: p-Terphenyl-d14	*			**0.900**	1.062		84.8			04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** MBLK Units **mg/Kg**

SampID: MBLK-221642

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.0167		**ND**						04/19/2024
2-Methylnaphthalene		0.0167		**ND**						04/19/2024
Acenaphthene		0.0034		**ND**						04/19/2024
Acenaphthylene		0.0034		**ND**						04/19/2024
Anthracene		0.0034		**ND**						04/19/2024
Benzo(a)anthracene		0.0100		**ND**						04/19/2024
Benzo(a)pyrene		0.0034		**ND**						04/19/2024
Benzo(b)fluoranthene		0.0034		**ND**						04/19/2024
Benzo(g,h,i)perylene		0.0034		**ND**						04/19/2024
Benzo(k)fluoranthene		0.0034		**ND**						04/19/2024
Biphenyl	*	0.0034		**ND**						04/19/2024
Bis(2-ethylhexyl)phthalate		0.0670		**ND**						04/19/2024
Chrysene		0.0034		**ND**						04/19/2024
Dibenzo(a,h)anthracene		0.0034		**ND**						04/19/2024
Diethyl phthalate		0.100		**ND**						04/19/2024
Dimethyl phthalate		0.100		**ND**						04/19/2024
Di-n-butyl phthalate		0.0340		**ND**						04/19/2024
Fluoranthene		0.0034		**ND**						04/19/2024
Fluorene		0.0034		**ND**						04/19/2024
Indeno(1,2,3-cd)pyrene		0.0034		**ND**						04/19/2024
m,p-Cresol		0.0100		**ND**						04/19/2024
Naphthalene		0.0167		**ND**						04/19/2024
o-Cresol		0.0034		**ND**						04/19/2024
Phenanthrene		0.0060		**ND**						04/19/2024
Pyrene		0.0034		**ND**						04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.557**	0.8330		66.9	49.4	98.9	04/19/2024
Surr: 2-Fluorophenol	*			**1.13**	1.667		68.0	43.3	97.9	04/19/2024
Surr: Nitrobenzene-d5	*			**0.532**	0.8330		63.9	45.6	99.6	04/19/2024
Surr: Phenol-d5	*			**1.22**	1.667		73.1	41.9	102	04/19/2024
Surr: p-Terphenyl-d14	*			**0.580**	0.8330		69.6	54	109	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** LCS Units **mg/Kg**

SampID: LCS-221642

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.0167		**1.12**	1.667	0	67.1	50.2	111	04/19/2024
2-Methylnaphthalene		0.0167		**1.13**	1.667	0	67.9	48	103	04/19/2024
Acenaphthene		0.0034		**1.13**	1.667	0	67.8	56.7	99	04/19/2024
Acenaphthylene		0.0034		**1.07**	1.667	0	64.5	57.1	102	04/19/2024
Anthracene		0.0034		**1.08**	1.667	0	64.7	57.7	104	04/19/2024
Benzo(a)anthracene		0.0100		**1.07**	1.667	0	64.4	55.3	109	04/19/2024
Benzo(a)pyrene		0.0034		**1.10**	1.667	0	65.9	55.5	111	04/19/2024
Benzo(b)fluoranthene		0.0034		**1.11**	1.667	0	66.4	56.1	105	04/19/2024
Benzo(g,h,i)perylene		0.0034		**1.02**	1.667	0	61.4	48.8	121	04/19/2024
Benzo(k)fluoranthene		0.0034		**1.17**	1.667	0	70.1	56.4	114	04/19/2024
Bis(2-ethylhexyl)phthalate		0.0670		**1.17**	1.667	0	70.1	53.6	115	04/19/2024
Chrysene		0.0034		**1.02**	1.667	0	60.9	55.4	107	04/19/2024
Dibenzo(a,h)anthracene		0.0034		**1.17**	1.667	0	70.1	54.2	114	04/19/2024
Diethyl phthalate		0.100		**1.14**	1.667	0	68.7	56.7	101	04/19/2024
Dimethyl phthalate		0.100		**1.12**	1.667	0	67.4	58.4	101	04/19/2024
Di-n-butyl phthalate		0.0340		**1.11**	1.667	0	66.4	55.2	101	04/19/2024
Fluoranthene		0.0034		**1.13**	1.667	0	67.8	59.7	104	04/19/2024
Fluorene		0.0034		**1.17**	1.667	0	70.0	56.8	100	04/19/2024
Indeno(1,2,3-cd)pyrene		0.0034		**1.14**	1.667	0	68.2	51.8	116	04/19/2024
m,p-Cresol		0.0100		**1.29**	1.667	0	77.4	54.1	101	04/19/2024
Naphthalene		0.0167		**1.11**	1.667	0	66.4	51.4	93.1	04/19/2024
o-Cresol		0.0034		**1.19**	1.667	0	71.3	54.1	104	04/19/2024
Phenanthrene		0.0060		**1.05**	1.667	0	63.1	56.8	101	04/19/2024
Pyrene		0.0034		**1.15**	1.667	0	68.8	60.1	103	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.555**	0.8330		66.7	49.4	98.9	04/19/2024
Surr: 2-Fluorophenol	*			**1.16**	1.667		69.8	43.3	97.9	04/19/2024
Surr: Nitrobenzene-d5	*			**0.539**	0.8330		64.7	45.6	99.6	04/19/2024
Surr: Phenol-d5	*			**1.28**	1.667		76.8	41.9	102	04/19/2024
Surr: p-Terphenyl-d14	*			**0.523**	0.8330		62.8	54	109	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** MS Units **mg/Kg-dry**

SampID: 24041481-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.100		**1.39**	1.998	0.02360	68.2	35.8	116	04/19/2024
2-Methylnaphthalene		0.100		**1.34**	1.998	0.02753	65.7	30.4	111	04/19/2024
Acenaphthene		0.0204		**1.62**	1.998	0.03146	79.3	46.8	104	04/19/2024
Acenaphthylene		0.0204		**1.58**	1.998	0.06882	75.6	45.2	113	04/19/2024
Anthracene		0.0204		**1.61**	1.998	0.1081	75.0	47.3	110	04/19/2024
Benzo(a)anthracene		0.0599		**2.07**	1.998	0.5938	73.8	42	116	04/19/2024
Benzo(a)pyrene		0.0204		**1.98**	1.998	0.6646	65.7	40.7	119	04/19/2024
Benzo(b)fluoranthene		0.0204		**2.12**	1.998	0.7983	66.1	39.7	120	04/19/2024
Benzo(g,h,i)perylene		0.0204		**1.33**	1.998	0.3972	46.7	6.85	115	04/19/2024
Benzo(k)fluoranthene		0.0204		**1.90**	1.998	0.2851	80.9	40.4	128	04/19/2024
Bis(2-ethylhexyl)phthalate		0.401		**1.67**	1.998	0	83.8	46	117	04/19/2024
Chrysene		0.0204		**1.99**	1.998	0.6528	67.0	43.5	113	04/19/2024
Dibenzo(a,h)anthracene		0.0204		**1.45**	1.998	0.08652	68.2	15.9	112	04/19/2024
Diethyl phthalate		0.599		**1.58**	1.998	0	79.2	48.1	107	04/19/2024
Dimethyl phthalate		0.599		**1.60**	1.998	0	80.3	49.2	108	04/19/2024
Di-n-butyl phthalate		0.204		**1.53**	1.998	0	76.7	41.1	111	04/19/2024
Fluoranthene		0.0204		**2.19**	1.998	1.225	48.4	40.1	120	04/19/2024
Fluorene		0.0204		**1.63**	1.998	0.03539	79.6	43	110	04/19/2024
Indeno(1,2,3-cd)pyrene		0.0204		**1.63**	1.998	0.3421	64.5	18	110	04/19/2024
m,p-Cresol		0.0599		**1.34**	1.998	0	67.1	39.3	107	04/19/2024
Naphthalene		0.100		**1.50**	1.998	0	75.3	39.5	99.8	04/19/2024
o-Cresol		0.0204		**1.30**	1.998	0	65.0	40.4	110	04/19/2024
Phenanthrene		0.0359		**1.87**	1.998	0.7767	54.9	47.6	108	04/19/2024
Pyrene		0.0204		**2.31**	1.998	1.378	46.6	41.4	118	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.725**	0.9982		72.6	40.2	104	04/19/2024
Surr: 2-Fluorophenol	*			**1.34**	1.998		67.3	37.3	95.8	04/19/2024
Surr: Nitrobenzene-d5	*			**0.697**	0.9982		69.8	35	99.6	04/19/2024
Surr: Phenol-d5	*			**1.50**	1.998		75.0	40.9	103	04/19/2024
Surr: p-Terphenyl-d14	*			**0.749**	0.9982		75.0	42.7	105	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221642 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **80.4**

SampID: 24041481-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1-Methylnaphthalene	*	0.102		**1.40**	2.034	0.02360	67.8	1.386	1.23	04/19/2024
2-Methylnaphthalene		0.102		**1.43**	2.034	0.02753	68.8	1.340	6.32	04/19/2024
Acenaphthene		0.0207		**1.75**	2.034	0.03146	84.3	1.616	7.80	04/19/2024
Acenaphthylene		0.0207		**1.63**	2.034	0.06882	76.8	1.580	3.19	04/19/2024
Anthracene		0.0207		**1.67**	2.034	0.1081	76.8	1.606	3.90	04/19/2024
Benzo(a)anthracene		0.0610		**1.98**	2.034	0.5938	68.3	2.067	4.16	04/19/2024
Benzo(a)pyrene		0.0207		**1.95**	2.034	0.6646	63.2	1.977	1.37	04/19/2024
Benzo(b)fluoranthene		0.0207		**1.95**	2.034	0.7983	56.8	2.119	8.09	04/19/2024
Benzo(g,h,i)perylene		0.0207		**1.21**	2.034	0.3972	40.1	1.330	9.29	04/19/2024
Benzo(k)fluoranthene		0.0207		**1.90**	2.034	0.2851	79.4	1.901	0.10	04/19/2024
Bis(2-ethylhexyl)phthalate		0.409		**1.68**	2.034	0	82.5	1.674	0.25	04/19/2024
Chrysene		0.0207		**1.93**	2.034	0.6528	63.0	1.991	2.91	04/19/2024
Dibenzo(a,h)anthracene		0.0207		**1.40**	2.034	0.08652	64.4	1.448	3.57	04/19/2024
Diethyl phthalate		0.610		**1.71**	2.034	0	84.2	1.582	7.93	04/19/2024
Dimethyl phthalate		0.610		**1.72**	2.034	0	84.8	1.604	7.26	04/19/2024
Di-n-butyl phthalate		0.207		**1.57**	2.034	0	77.4	1.532	2.72	04/19/2024
Fluoranthene		0.0207		**2.28**	2.034	1.225	51.9	2.191	4.06	04/19/2024
Fluorene		0.0207		**1.71**	2.034	0.03539	82.5	1.626	5.31	04/19/2024
Indeno(1,2,3-cd)pyrene		0.0207		**1.46**	2.034	0.3421	55.2	1.630	10.70	04/19/2024
m,p-Cresol		0.0610		**1.44**	2.034	0	70.8	1.340	7.17	04/19/2024
Naphthalene		0.102		**1.59**	2.034	0	78.1	1.504	5.46	04/19/2024
o-Cresol		0.0207		**1.38**	2.034	0	67.9	1.298	6.17	04/19/2024
Phenanthrene		0.0366		**2.07**	2.034	0.7767	63.6	1.873	9.99	04/19/2024
Pyrene		0.0207		**2.42**	2.034	1.378	51.0	2.309	4.54	04/19/2024
Surr: 2-Fluorobiphenyl	*			**0.767**	1.016		75.4			04/19/2024
Surr: 2-Fluorophenol	*			**1.60**	2.034		78.8			04/19/2024
Surr: Nitrobenzene-d5	*			**0.783**	1.016		77.0			04/19/2024
Surr: Phenol-d5	*			**1.67**	2.034		82.0			04/19/2024
Surr: p-Terphenyl-d14	*			**0.775**	1.016		76.2			04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** MBLK Units **mg/Kg**

SampID: MBLK-221696

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.0167		**ND**						04/23/2024
2-Methylnaphthalene		0.0167		**ND**						04/23/2024
Acenaphthene		0.0034		**ND**						04/23/2024
Acenaphthylene		0.0034		**ND**						04/23/2024
Anthracene		0.0034		**ND**						04/23/2024
Benzo(a)anthracene		0.0100		**ND**						04/23/2024
Benzo(a)pyrene		0.0034		**ND**						04/23/2024
Benzo(b)fluoranthene		0.0034		**ND**						04/23/2024
Benzo(g,h,i)perylene		0.0034		**ND**						04/23/2024
Benzo(k)fluoranthene		0.0034		**ND**						04/23/2024
Biphenyl	*	0.0034		**ND**						04/23/2024
Bis(2-ethylhexyl)phthalate		0.0670		**ND**						04/23/2024
Chrysene		0.0034		**ND**						04/23/2024
Dibenzo(a,h)anthracene		0.0034		**ND**						04/23/2024
Diethyl phthalate		0.100		**ND**						04/23/2024
Dimethyl phthalate		0.100		**ND**						04/23/2024
Di-n-butyl phthalate		0.0340		**ND**						04/23/2024
Fluoranthene		0.0034		**ND**						04/23/2024
Fluorene		0.0034		**ND**						04/23/2024
Indeno(1,2,3-cd)pyrene		0.0034		**ND**						04/23/2024
m,p-Cresol		0.0100		**ND**						04/23/2024
Naphthalene		0.0167		**ND**						04/23/2024
o-Cresol		0.0034		**ND**						04/23/2024
Phenanthrene		0.0060		**ND**						04/23/2024
Pyrene		0.0034		**ND**						04/23/2024
Surr: 2-Fluorobiphenyl	*			**0.432**	0.8330		51.9	49.4	98.9	04/23/2024
Surr: 2-Fluorophenol	*			**0.934**	1.667		56.0	43.3	97.9	04/23/2024
Surr: Nitrobenzene-d5	*			**0.444**	0.8330		53.3	45.6	99.6	04/23/2024
Surr: Phenol-d5	*			**0.959**	1.667		57.5	41.9	102	04/23/2024
Surr: p-Terphenyl-d14	*			**0.565**	0.8330		67.8	54	109	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** LCS Units **mg/Kg**

SampID: LCS-221696

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.0167		**1.24**	1.667	0	74.6	50.2	111	04/22/2024
2-Methylnaphthalene		0.0167		**1.31**	1.667	0	78.7	48	103	04/22/2024
Acenaphthene		0.0034		**1.40**	1.667	0	84.2	56.7	99	04/22/2024
Acenaphthylene		0.0034		**1.38**	1.667	0	83.0	57.1	102	04/22/2024
Anthracene		0.0034		**1.42**	1.667	0	85.4	57.7	104	04/22/2024
Benzo(a)anthracene		0.0100		**1.56**	1.667	0	93.9	55.3	109	04/22/2024
Benzo(a)pyrene		0.0034		**1.58**	1.667	0	94.6	55.5	111	04/22/2024
Benzo(b)fluoranthene		0.0034		**1.53**	1.667	0	91.9	56.1	105	04/22/2024
Benzo(g,h,i)perylene		0.0034		**1.52**	1.667	0	91.0	48.8	121	04/22/2024
Benzo(k)fluoranthene		0.0034		**1.68**	1.667	0	100.9	56.4	114	04/22/2024
Bis(2-ethylhexyl)phthalate		0.0670		**1.69**	1.667	0	101.5	53.6	115	04/22/2024
Chrysene		0.0034		**1.48**	1.667	0	89.0	55.4	107	04/22/2024
Dibenzo(a,h)anthracene		0.0034		**1.76**	1.667	0	105.4	54.2	114	04/22/2024
Diethyl phthalate		0.100		**1.55**	1.667	0	93.2	56.7	101	04/22/2024
Dimethyl phthalate		0.100		**1.53**	1.667	0	91.8	58.4	101	04/22/2024
Di-n-butyl phthalate		0.0340		**1.52**	1.667	0	91.0	55.2	101	04/22/2024
Fluoranthene		0.0034		**1.48**	1.667	0	88.8	59.7	104	04/22/2024
Fluorene		0.0034		**1.48**	1.667	0	88.6	56.8	100	04/22/2024
Indeno(1,2,3-cd)pyrene		0.0034		**1.71**	1.667	0	102.8	51.8	116	04/22/2024
m,p-Cresol		0.0100		**1.38**	1.667	0	82.6	54.1	101	04/22/2024
Naphthalene		0.0167		**1.21**	1.667	0	72.5	51.4	93.1	04/22/2024
o-Cresol		0.0034		**1.21**	1.667	0	72.5	54.1	104	04/22/2024
Phenanthrene		0.0060		**1.45**	1.667	0	86.8	56.8	101	04/22/2024
Pyrene		0.0034		**1.52**	1.667	0	91.1	60.1	103	04/22/2024
Surr: 2-Fluorobiphenyl	*			**0.663**	0.8330		79.6	49.4	98.9	04/22/2024
Surr: 2-Fluorophenol	*			**1.18**	1.667		70.7	43.3	97.9	04/22/2024
Surr: Nitrobenzene-d5	*			**0.588**	0.8330		70.6	45.6	99.6	04/22/2024
Surr: Phenol-d5	*			**1.29**	1.667		77.6	41.9	102	04/22/2024
Surr: p-Terphenyl-d14	*			**0.709**	0.8330		85.2	54	109	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** MS Units **mg/Kg-dry**

SampID: 24041481-019AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1-Methylnaphthalene	*	0.0191		**1.41**	1.903	0	74.1	35.8	116	04/22/2024
2-Methylnaphthalene		0.0191		**1.44**	1.903	0	75.8	30.4	111	04/22/2024
Acenaphthene		0.0039		**1.51**	1.903	0	79.6	46.8	104	04/22/2024
Acenaphthylene		0.0039		**1.45**	1.903	0	76.4	45.2	113	04/22/2024
Anthracene		0.0039		**1.53**	1.903	0	80.3	47.3	110	04/22/2024
Benzo(a)anthracene		0.0114		**1.53**	1.903	0.005718	80.3	42	116	04/22/2024
Benzo(a)pyrene		0.0039		**1.58**	1.903	0.006099	82.5	40.7	119	04/22/2024
Benzo(b)fluoranthene		0.0039		**1.57**	1.903	0.008006	82.2	39.7	120	04/22/2024
Benzo(g,h,i)perylene		0.0039		**1.49**	1.903	0.003812	77.9	6.85	115	04/22/2024
Benzo(k)fluoranthene		0.0039		**1.68**	1.903	0.003431	88.1	40.4	128	04/22/2024
Bis(2-ethylhexyl)phthalate		0.0765		**1.62**	1.903	0	85.2	46	117	04/22/2024
Chrysene		0.0039		**1.48**	1.903	0.005718	77.4	43.5	113	04/22/2024
Dibenzo(a,h)anthracene		0.0039		**1.66**	1.903	0	87.4	15.9	112	04/22/2024
Diethyl phthalate		0.114		**1.59**	1.903	0	83.3	48.1	107	04/22/2024
Dimethyl phthalate		0.114		**1.53**	1.903	0	80.6	49.2	108	04/22/2024
Di-n-butyl phthalate		0.0388		**1.56**	1.903	0	81.7	41.1	111	04/22/2024
Fluoranthene		0.0039		**1.53**	1.903	0.008768	79.8	40.1	120	04/22/2024
Fluorene		0.0039		**1.56**	1.903	0	82.1	43	110	04/22/2024
Indeno(1,2,3-cd)pyrene		0.0039		**1.69**	1.903	0.003431	88.7	18	110	04/22/2024
m,p-Cresol		0.0114		**1.56**	1.903	0	81.9	39.3	107	04/22/2024
Naphthalene		0.0191		**1.39**	1.903	0	73.0	39.5	99.8	04/22/2024
o-Cresol		0.0039		**1.41**	1.903	0	73.8	40.4	110	04/22/2024
Phenanthrene		0.0069		**1.50**	1.903	0	78.7	47.6	108	04/22/2024
Pyrene		0.0039		**1.59**	1.903	0.008387	83.1	41.4	118	04/22/2024
Surr: 2-Fluorobiphenyl	*			**0.696**	0.9511		73.2	40.2	104	04/22/2024
Surr: 2-Fluorophenol	*			**1.44**	1.903		75.5	37.3	95.8	04/22/2024
Surr: Nitrobenzene-d5	*			**0.682**	0.9511		71.7	35	99.6	04/22/2024
Surr: Phenol-d5	*			**1.57**	1.903		82.7	40.9	103	04/22/2024
Surr: p-Terphenyl-d14	*			**0.753**	0.9511		79.2	42.7	105	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041481

Client Project: Manners Park J044644.02 **Report Date:** 24-Apr-24

SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221696 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **80.4**

SampID: 24041481-019AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1-Methylnaphthalene	*	0.0188		**1.17**	1.875	0	62.3	1.411	18.79	04/22/2024
2-Methylnaphthalene		0.0188		**1.17**	1.875	0	62.1	1.442	21.25	04/22/2024
Acenaphthene		0.0038		**1.25**	1.875	0	66.8	1.515	19.02	04/22/2024
Acenaphthylene		0.0038		**1.18**	1.875	0	62.7	1.455	21.24	04/22/2024
Anthracene		0.0038		**1.35**	1.875	0	71.8	1.528	12.58	04/22/2024
Benzo(a)anthracene		0.0112		**1.37**	1.875	0.005718	72.9	1.534	11.16	04/22/2024
Benzo(a)pyrene		0.0038		**1.35**	1.875	0.006099	71.6	1.577	15.59	04/22/2024
Benzo(b)fluoranthene		0.0038		**1.30**	1.875	0.008006	69.1	1.572	18.75	04/22/2024
Benzo(g,h,i)perylene		0.0038		**1.22**	1.875	0.003812	64.7	1.486	19.87	04/22/2024
Benzo(k)fluoranthene		0.0038		**1.43**	1.875	0.003431	76.3	1.681	15.87	04/22/2024
Bis(2-ethylhexyl)phthalate		0.0753		**1.43**	1.875	0	76.2	1.621	12.64	04/22/2024
Chrysene		0.0038		**1.30**	1.875	0.005718	69.0	1.478	12.91	04/22/2024
Dibenzo(a,h)anthracene		0.0038		**1.42**	1.875	0	75.8	1.664	15.72	04/22/2024
Diethyl phthalate		0.112		**1.32**	1.875	0	70.4	1.586	18.34	04/22/2024
Dimethyl phthalate		0.112		**1.26**	1.875	0	67.3	1.535	19.56	04/22/2024
Di-n-butyl phthalate		0.0382		**1.37**	1.875	0	73.1	1.555	12.67	04/22/2024
Fluoranthene		0.0038		**1.36**	1.875	0.008768	72.3	1.528	11.39	04/22/2024
Fluorene		0.0038		**1.27**	1.875	0	67.6	1.563	20.94	04/22/2024
Indeno(1,2,3-cd)pyrene		0.0038		**1.44**	1.875	0.003431	76.8	1.691	15.85	04/22/2024
m,p-Cresol		0.0112		**1.17**	1.875	0	62.2	1.559	28.85	04/22/2024
Naphthalene		0.0188		**1.13**	1.875	0	60.2	1.389	20.62	04/22/2024
o-Cresol		0.0038		**1.08**	1.875	0	57.5	1.405	26.27	04/22/2024
Phenanthrene		0.0067		**1.34**	1.875	0	71.5	1.498	11.15	04/22/2024
Pyrene		0.0038		**1.38**	1.875	0.008387	73.4	1.590	13.80	04/22/2024
Surr: 2-Fluorobiphenyl	*			**0.607**	0.9368		64.8			04/22/2024
Surr: 2-Fluorophenol	*			**1.12**	1.875		59.5			04/22/2024
Surr: Nitrobenzene-d5	*			**0.560**	0.9368		59.7			04/22/2024
Surr: Phenol-d5	*			**1.24**	1.875		66.4			04/22/2024
Surr: p-Terphenyl-d14	*			**0.644**	0.9368		68.7			04/22/2024

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24041481
Client Project: Manners Park J044644.02
Report Date: 24-Apr-24

Carrier: Employee
Received By: WAO

Completed by: Paul Schultz
On: 17-Apr-24

Reviewed by: Ellie Hopkins
On: 17-Apr-24

Pages to follow: Chain of custody 3 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.7
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	NA ☑
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

TE

2404148144

CHAIN OF CUSTODY

pg. 1 of 3 Work order # ~~2404148~~3

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Geotechnology, Inc (UES)
Address: 11916 Lackland Rd. Suite 150
City / State / Zip St. Louis, MO 63146
Contact: Kenny Hemmen Phone: 314 997 7440
E-Mail: khemmen@teamUES.com Fax: 314 997 ~~2067~~ 7432

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 4-7 °C UE6-3
Preserved in: [ ] LAB [ ] FIELD
FOR LAB USE ONLY
Lab Notes

Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply [ ] Yes [X] No
Are these samples known to be hazardous? [ ] Yes [X] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. [ ] Yes [X] No

Project Name/Number: Millen Park J044644.01
Sample Collector's Name: Seth Lamble - Wayne Holtman
Results Requested: [X] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other ____ [ ] 3 Day (50% Surcharge)
Billing Instructions: J044644.01

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: SVOCs PAHs
2404148-001	SS-1	4/15/24 10:24	1										X				X
-002	SS-2	4/15/24 11:27	1										X				X
-003	SS-3	4/15/24 12:13	1										X				X
-004	SS-4	4/16/24 08:25	1										X				X
-005	SS-5	4/16/24 09:28	1										X				X
-006	SS-6	4/16/24 10:17	1										X				X
-007	SS-7	4/16/24 13:00	1										X				X
-008	SS-8	4/17/24 08:13	1										X				X
-009	SS-9	4/17/24 08:24	1										X				X
-010	SS-10	4/17/24 08:30	1										X				X

Relinquished By	Date/Time	Received By	Date/Time
Wayne Holtman	4/17/24 13:12	[signature]	4/17/24 13:12

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

WHITE - LAB YELLOW - SAMPLER

LA 4/17/24

24041481

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 24041482

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Geotechnology, Inc (UES)
Address:	11816 Lackland Road Suite 150
City / State / Zip	St. Louis, MO 63146
Contact:	Kenny Hemmen Phone: 314 997 7440
E-Mail:	khemmen@teamUES.com Fax: 314 997 7432

Samples on: ICE BLUE ICE NO ICE 4.7 °C LTG-3

Preserved in: LAB FIELD FOR LAB USE ONLY

Lab Notes

Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes No

Are these samples known to be hazardous? Yes No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. Yes No

Project Name/Number: Miller Park J044644.01

Sample Collector's Name: Seth Lamble & Wayne Holtzman

Results Requested: Standard; 1-2 Day (100% Surcharge); Other; 3 Day (50% Surcharge)

Billing Instructions: J044644.01

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: SW8021 PAH
24041481-011	SS-11	4/17/24 09:00	1										X				X
-012	SS-12	4/17/24 09:11	1										X				X
-013	SS-13	4/17/24 09:21	1										X				X
-014	SS-14	4/17/24 08:50	1										X				X
-015	SS-15	4/17/24 08:40	1										X				X
-016	SS-16	4/17/24 09:41	1										X				X
-017	SS-17	4/17/24 09:50	1										X				X
-018	SS-18	4/17/24 10:00	1										X				X
-019	SS-19	4/17/24 10:15	1										X				X
-020	SS-20	4/17/21 10:21	1										X				X

Relinquished By	Date/Time	Received By	Date/Time
Wayne Holtz	4/17/24 13:12	Whitney Olupe	4/17/24 13:17

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

WHITE - LAB YELLOW - SAMPLER

2404l481

CHAIN OF CUSTODY

pg. 3 of 3 Work order # ~~2404l481~~ TEL40

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Geotechnology, Inc.
Address: 11816 Lackland Road Suite 150
City / State / Zip St. Louis, MO 63146
Contact: Kenny Hemmen Phone: 314 997-7440
E-Mail: khemmen@teamues.com Fax: 314 997-2067

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 4.7 °C LT63
Preserved in: [ ] LAB [ ] FIELD
FOR LAB USE ONLY
Lab Notes

Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply [ ] Yes [X] No
Are these samples known to be hazardous? [ ] Yes [X] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. [ ] Yes [X] No

Project Name/Number: Miller Park J044644.01
Sample Collector's Name: Seth Lamble

Results Requested: [X] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other ____ [ ] 3 Day (50% Surcharge)
Billing Instructions: J044644.01

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: PAH 2015
2404l481-021	~~SS-26~~ SS-21	4/17/24 10:30	1										X				X
	~~SS-22EB~~	~~4/17/24 09:00~~									X						X
	~~SS-23EB~~	~~4/16/24~~															X
-022	SS-22EB	4/17/24 08:02	1								X						X
-023	SS-23EB	4/16/24 09:00	1								X						X
-024	SS-24 DUP	4/16/24 13:30	1										X				X
																	~~X~~

Relinquished By	Date/Time	Received By	Date/Time
Wayne Hall	4/17/24 13:12	Whitney Dunn	4/17/24 13:12

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

WHITE - LAB YELLOW - SAMPLER

April 29, 2024

Kenny Hemmen
Geotechnology, Inc.
11816 Lackland Road
St. Louis, MO 63146
TEL: (314) 997-7440
FAX: (314) 997-2067

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044644.02 **WorkOrder:** 24041607

Dear Kenny Hemmen:

TEKLAB, INC received 8 samples on 4/18/2024 12:01:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Patrick Riley
Project Manager
(618)344-1004 ex 44
patrickriley@teklabinc.com

Report Contents

Client: Geotechnology, Inc.
Work Order: 24041607
Client Project: J044644.02
Report Date: 29-Apr-24

This reporting package includes the following:

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Abbr Definition

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Geotechnology, Inc.
Work Order: 24041607

Client Project: J044644.02
Report Date: 29-Apr-24

Qualifiers

- Unknown hydrocarbon
B - Analyte detected in associated Method Blank
C - RL shown is a Client Requested Quantitation Limit
E - Value above quantitation range
H - Holding times exceeded
I - Associated internal standard was outside method criteria
J - Analyte detected below quantitation limits
M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit
R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits
T - TIC(Tentatively identified compound)
X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Client Project: J044644.02

Work Order: 24041607
Report Date: 29-Apr-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-001 **Client Sample ID:** SVP-1

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 167.84928		0.0034		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 133.40422		0.0027		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 167.84928		0.0034		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 133.40422		0.0027		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	0.50	J	**0.07**	ppbv	1	04/22/2024 19:07	221844
MW 187.3756096		0.0038		**0.0005**	mg/m3			
1,1-Dichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 98.95916		0.002		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 96.94328		0.002		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 181.44702		0.0037		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	0.50	J	**0.15**	ppbv	1	04/22/2024 19:07	221844
MW 120.19158		0.0025		**0.0007**	mg/m3			
1,2-Dibromoethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 187.86116		0.0038		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 147.00196		0.003		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 98.95916		0.002		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 112.98574		0.0023		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 120.19158		0.0025		**ND**	mg/m3			
1,3-Butadiene	NELAP	1.0	J	**0.25**	ppbv	1	04/22/2024 19:07	221844
MW 54.09044		0.0022		**0.0006**	mg/m3			
1,3-Dichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 147.00196		0.003		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 147.00196		0.003		**ND**	mg/m3			
1,4-Dioxane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 88.10512		0.0018		**ND**	mg/m3			
2-Butanone	NELAP	1.0	J	**0.98**	ppbv	1	04/22/2024 19:07	221844
MW 72.10572		0.0029		**0.0029**	mg/m3			
2-Chlorotoluene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 126.58348		0.0026		**ND**	mg/m3			
2-Hexanone	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 100.15888		0.002		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	0.50	J	**0.08**	ppbv	1	04/22/2024 19:07	221844
MW 100.15888		0.002		**0.0003**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-001 **Client Sample ID:** SVP-1

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	2.00		**9.33**	ppbv	1	04/22/2024 19:07	221844
MW 58.07914		0.0048		**0.0222**	mg/m3			
Acetonitrile	NELAP	0.50	J	**0.22**	ppbv	1	04/22/2024 19:07	221844
MW 41.05192		0.0008		**0.0004**	mg/m3			
Acrolein	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 56.06326		0.0011		**ND**	mg/m3			
Acrylonitrile	NELAP	0.50	J	**0.17**	ppbv	1	04/22/2024 19:07	221844
MW 53.06262		0.0011		**0.0004**	mg/m3			
Allyl chloride	NELAP	1.00		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 76.5248		0.0031		**ND**	mg/m3			
Benzene	NELAP	0.50	J	**0.27**	ppbv	1	04/22/2024 19:07	221844
MW 78.11184		0.0016		**0.0009**	mg/m3			
Benzyl chloride	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 126.58348		0.0026		**ND**	mg/m3			
Bromodichloromethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 163.82864		0.0034		**ND**	mg/m3			
Bromoform	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 252.73064		0.0052		**ND**	mg/m3			
Bromomethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 94.93852		0.0019		**ND**	mg/m3			
Carbon disulfide	NELAP	0.50	J	**0.27**	ppbv	1	04/22/2024 19:07	221844
MW 76.1407		0.0016		**0.0008**	mg/m3			
Carbon tetrachloride	NELAP	0.50	J	**0.07**	ppbv	1	04/22/2024 19:07	221844
MW 153.8227		0.0031		**0.0004**	mg/m3			
Chlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 112.5569		0.0023		**ND**	mg/m3			
Chloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 64.5141		0.0013		**ND**	mg/m3			
Chloroform	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 119.37764		0.0024		**ND**	mg/m3			
Chloromethane	NELAP	0.50		**0.54**	ppbv	1	04/22/2024 19:07	221844
MW 50.48752		0.001		**0.0011**	mg/m3			
Chloroprene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 88.5355		0.0018		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 96.94328		0.002		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 110.96986		0.0023		**ND**	mg/m3			
Cyclohexane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 84.15948		0.0017		**ND**	mg/m3			
Dibromochloromethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 208.27964		0.0043		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	0.50	J	**0.47**	ppbv	1	04/22/2024 19:07	221844
MW 120.9135064		0.0025		**0.0023**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-001 **Client Sample ID:** SVP-1

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 170.9210128		0.0035		**ND**	mg/m3			
Ethanol	NELAP	5.0	J	**3.9**	ppbv	1	04/22/2024 19:07	221844
MW 46.06844		0.0094		**0.0073**	mg/m3			
Ethyl acetate	NELAP	1.00		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 88.10512		0.0036		**ND**	mg/m3			
Ethylbenzene	NELAP	0.50	J	**0.12**	ppbv	1	04/22/2024 19:07	221844
MW 106.165		0.0022		**0.0005**	mg/m3			
Ethyl-tert-butyl ether	NELAP	0.50	J	**0.24**	ppbv	1	04/22/2024 19:07	221844
MW 102.17476		0.0021		**0.001**	mg/m3			
Hexachlorobutadiene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 260.7608		0.0053		**ND**	mg/m3			
Isooctane	NELAP	0.50	J	**0.08**	ppbv	1	04/22/2024 19:07	221844
MW 114.22852		0.0023		**0.0004**	mg/m3			
Isopropanol	NELAP	3.0	BJ	**0.88**	ppbv	1	04/22/2024 19:07	221844
MW 60.09502		0.0074		**0.0022**	mg/m3			
Isopropyl ether	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 102.17476		0.0021		**ND**	mg/m3			
Isopropylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 120.19158		0.0025		**ND**	mg/m3			
m,p-Xylene	NELAP	1.0	J	**0.36**	ppbv	1	04/22/2024 19:07	221844
MW 106.17		0.0043		**0.0016**	mg/m3			
Methyl methacrylate	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 100.11582		0.002		**ND**	mg/m3			
Methyl tert-butyl ether	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 88.14818		0.0018		**ND**	mg/m3			
Methylene chloride	NELAP	1.0	J	**0.18**	ppbv	1	04/22/2024 19:07	221844
MW 84.93258		0.0035		**0.0006**	mg/m3			
Naphthalene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 128.17052		0.0026		**ND**	mg/m3			
n-Butylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 134.21816		0.0027		**ND**	mg/m3			
n-Heptane	NELAP	0.50	J	**0.28**	ppbv	1	04/22/2024 19:07	221844
MW 100.20194		0.002		**0.0011**	mg/m3			
n-Hexane	NELAP	0.50	J	**0.47**	ppbv	1	04/22/2024 19:07	221844
MW 86.17536		0.0018		**0.0017**	mg/m3			
n-Propylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 120.19158		0.0025		**ND**	mg/m3			
o-Cymene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 134.21816		0.0027		**ND**	mg/m3			
o-Xylene	NELAP	0.50	J	**0.38**	ppbv	1	04/22/2024 19:07	221844
MW 106.165		0.0022		**0.0017**	mg/m3			
p-Ethyltoluene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 120.19158		0.0025		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-001 **Client Sample ID:** SVP-1

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	0.50		**15.3**	ppbv	1	04/22/2024 19:07	221844
MW 42.07974		0.0009		**0.0263**	mg/m3			
sec-Butylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 134.21816		0.0027		**ND**	mg/m3			
Styrene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 104.14912		0.0021		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 102.17476		0.0021		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	0.50		**1.76**	ppbv	1	04/22/2024 19:07	221844
MW 74.1216		0.0015		**0.0053**	mg/m3			
tert-Butylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 134.21816		0.0027		**ND**	mg/m3			
Tetrachloroethene	NELAP	0.50	J	**0.20**	ppbv	1	04/22/2024 19:07	221844
MW 165.8334		0.0034		**0.0014**	mg/m3			
Tetrahydrofuran	NELAP	0.50	J	**0.47**	ppbv	1	04/22/2024 19:07	221844
MW 72.10572		0.0015		**0.0014**	mg/m3			
Toluene	NELAP	0.50		**12.5**	ppbv	1	04/22/2024 19:07	221844
MW 92.13842		0.0019		**0.0471**	mg/m3			
trans-1,2-Dichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 96.94		0.002		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 110.96986		0.0023		**ND**	mg/m3			
Trichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 131.38834		0.0027		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	0.50	J	**0.22**	ppbv	1	04/22/2024 19:07	221844
MW 137.3681032		0.0028		**0.0012**	mg/m3			
Vinyl acetate	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 86.08924		0.0018		**ND**	mg/m3			
Vinyl bromide	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 106.94922		0.0022		**ND**	mg/m3			
Vinyl chloride	NELAP	0.50		**ND**	ppbv	1	04/22/2024 19:07	221844
MW 62.49822		0.0013		**ND**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**89.9**	%REC	1	04/22/2024 19:07	221844
MW 174.9983632		46.9-145		**89.9**	%REC			

Isopropanol was detected in the MBLK at a level between the MDL and the RL. Sample result is less than the RL. Data is reportable.

CCV recovered outside the upper control limits for Naphthalene. Sample results are below the reporting limit. Data is reportable per the TNI standard.

Allowable Marginal Exceedance of tert-Butyl Alcohol in the laboratory control sample is verified per the TNI Standard.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-002 **Client Sample ID:** SVP-2

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 167.84928		0.0034		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 133.40422		0.0027		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 167.84928		0.0034		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 133.40422		0.0027		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	0.50	J	**0.10**	ppbv	1	04/22/2024 20:04	221844
MW 187.3756096		0.0038		**0.0008**	mg/m3			
1,1-Dichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 98.95916		0.002		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 96.94328		0.002		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 181.44702		0.0037		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	0.50		**0.96**	ppbv	1	04/22/2024 20:04	221844
MW 120.19158		0.0025		**0.0047**	mg/m3			
1,2-Dibromoethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 187.86116		0.0038		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 147.00196		0.003		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 98.95916		0.002		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 112.98574		0.0023		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 120.19158		0.0025		**ND**	mg/m3			
1,3-Butadiene	NELAP	1.00		**5.50**	ppbv	1	04/22/2024 20:04	221844
MW 54.09044		0.0022		**0.0122**	mg/m3			
1,3-Dichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 147.00196		0.003		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 147.00196		0.003		**ND**	mg/m3			
1,4-Dioxane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 88.10512		0.0018		**ND**	mg/m3			
2-Butanone	NELAP	1.0	J	**0.35**	ppbv	1	04/22/2024 20:04	221844
MW 72.10572		0.0029		**0.001**	mg/m3			
2-Chlorotoluene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 126.58348		0.0026		**ND**	mg/m3			
2-Hexanone	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 100.15888		0.002		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 100.15888		0.002		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-002 **Client Sample ID:** SVP-2

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	2.00		**8.46**	ppbv	1	04/22/2024 20:04	221844
MW 58.07914		0.0048		**0.0201**	mg/m3			
Acetonitrile	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 41.05192		0.0008		**ND**	mg/m3			
Acrolein	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 56.06326		0.0011		**ND**	mg/m3			
Acrylonitrile	NELAP	0.50		**13.5**	ppbv	1	04/22/2024 20:04	221844
MW 53.06262		0.0011		**0.0293**	mg/m3			
Allyl chloride	NELAP	1.00		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 76.5248		0.0031		**ND**	mg/m3			
Benzene	NELAP	0.50		**5.12**	ppbv	1	04/22/2024 20:04	221844
MW 78.11184		0.0016		**0.0164**	mg/m3			
Benzyl chloride	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 126.58348		0.0026		**ND**	mg/m3			
Bromodichloromethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 163.82864		0.0034		**ND**	mg/m3			
Bromoform	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 252.73064		0.0052		**ND**	mg/m3			
Bromomethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 94.93852		0.0019		**ND**	mg/m3			
Carbon disulfide	NELAP	0.50		**20.9**	ppbv	1	04/22/2024 20:04	221844
MW 76.1407		0.0016		**0.0651**	mg/m3			
Carbon tetrachloride	NELAP	0.50	J	**0.08**	ppbv	1	04/22/2024 20:04	221844
MW 153.8227		0.0031		**0.0005**	mg/m3			
Chlorobenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 112.5569		0.0023		**ND**	mg/m3			
Chloroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 64.5141		0.0013		**ND**	mg/m3			
Chloroform	NELAP	0.50	J	**0.10**	ppbv	1	04/22/2024 20:04	221844
MW 119.37764		0.0024		**0.0005**	mg/m3			
Chloromethane	NELAP	0.50	J	**0.12**	ppbv	1	04/22/2024 20:04	221844
MW 50.48752		0.001		**0.0002**	mg/m3			
Chloroprene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 88.5355		0.0018		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 96.94328		0.002		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 110.96986		0.0023		**ND**	mg/m3			
Cyclohexane	NELAP	0.50		**3.05**	ppbv	1	04/22/2024 20:04	221844
MW 84.15948		0.0017		**0.0105**	mg/m3			
Dibromochloromethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 208.27964		0.0043		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	0.50		**0.52**	ppbv	1	04/22/2024 20:04	221844
MW 120.9135064		0.0025		**0.0026**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-002 **Client Sample ID:** SVP-2

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 170.9210128		0.0035		**ND**	mg/m3			
Ethanol	NELAP	5.0	J	**2.5**	ppbv	1	04/22/2024 20:04	221844
MW 46.06844		0.0094		**0.0047**	mg/m3			
Ethyl acetate	NELAP	1.00		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 88.10512		0.0036		**ND**	mg/m3			
Ethylbenzene	NELAP	0.50		**4.90**	ppbv	1	04/22/2024 20:04	221844
MW 106.165		0.0022		**0.0213**	mg/m3			
Ethyl-tert-butyl ether	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 102.17476		0.0021		**ND**	mg/m3			
Hexachlorobutadiene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 260.7608		0.0053		**ND**	mg/m3			
Isooctane	NELAP	0.50		**12.6**	ppbv	1	04/22/2024 20:04	221844
MW 114.22852		0.0023		**0.0589**	mg/m3			
Isopropanol	NELAP	3.0	BJ	**0.70**	ppbv	1	04/22/2024 20:04	221844
MW 60.09502		0.0074		**0.0017**	mg/m3			
Isopropyl ether	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 102.17476		0.0021		**ND**	mg/m3			
Isopropylbenzene	NELAP	0.50	J	**0.32**	ppbv	1	04/22/2024 20:04	221844
MW 120.19158		0.0025		**0.0016**	mg/m3			
m,p-Xylene	NELAP	1.00		**6.74**	ppbv	1	04/22/2024 20:04	221844
MW 106.17		0.0043		**0.0293**	mg/m3			
Methyl methacrylate	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 100.11582		0.002		**ND**	mg/m3			
Methyl tert-butyl ether	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 88.14818		0.0018		**ND**	mg/m3			
Methylene chloride	NELAP	1.0	J	**0.10**	ppbv	1	04/22/2024 20:04	221844
MW 84.93258		0.0035		**0.0003**	mg/m3			
Naphthalene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 128.17052		0.0026		**ND**	mg/m3			
n-Butylbenzene	NELAP	0.50	J	**0.13**	ppbv	1	04/22/2024 20:04	221844
MW 134.21816		0.0027		**0.0007**	mg/m3			
n-Heptane	NELAP	0.50		**13.1**	ppbv	1	04/22/2024 20:04	221844
MW 100.20194		0.002		**0.0537**	mg/m3			
n-Hexane	NELAP	0.50		**39.5**	ppbv	1	04/22/2024 20:04	221844
MW 86.17536		0.0018		**0.1392**	mg/m3			
n-Propylbenzene	NELAP	0.50		**0.61**	ppbv	1	04/22/2024 20:04	221844
MW 120.19158		0.0025		**0.003**	mg/m3			
o-Cymene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 134.21816		0.0027		**ND**	mg/m3			
o-Xylene	NELAP	0.50		**3.59**	ppbv	1	04/22/2024 20:04	221844
MW 106.165		0.0022		**0.0156**	mg/m3			
p-Ethyltoluene	NELAP	0.50		**1.01**	ppbv	1	04/22/2024 20:04	221844
MW 120.19158		0.0025		**0.005**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-002 **Client Sample ID:** SVP-2

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	250		**1230**	ppbv	500	04/19/2024 22:42	221753
MW 42.07974		0.4303		**2.1169**	mg/m3			
sec-Butylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 134.21816		0.0027		**ND**	mg/m3			
Styrene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 104.14912		0.0021		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 102.17476		0.0021		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	0.50		**1.43**	ppbv	1	04/22/2024 20:04	221844
MW 74.1216		0.0015		**0.0043**	mg/m3			
tert-Butylbenzene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 134.21816		0.0027		**ND**	mg/m3			
Tetrachloroethene	NELAP	0.50		**1.09**	ppbv	1	04/22/2024 20:04	221844
MW 165.8334		0.0034		**0.0074**	mg/m3			
Tetrahydrofuran	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 72.10572		0.0015		**ND**	mg/m3			
Toluene	NELAP	250		**676**	ppbv	500	04/19/2024 22:42	221753
MW 92.13842		0.9421		**2.5475**	mg/m3			
trans-1,2-Dichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 96.94		0.002		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 110.96986		0.0023		**ND**	mg/m3			
Trichloroethene	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 131.38834		0.0027		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	0.50	J	**0.26**	ppbv	1	04/22/2024 20:04	221844
MW 137.3681032		0.0028		**0.0015**	mg/m3			
Vinyl acetate	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 86.08924		0.0018		**ND**	mg/m3			
Vinyl bromide	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 106.94922		0.0022		**ND**	mg/m3			
Vinyl chloride	NELAP	0.50		**ND**	ppbv	1	04/22/2024 20:04	221844
MW 62.49822		0.0013		**ND**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**100.4**	%REC	1	04/22/2024 20:04	221844
MW 174.9983632		46.9-145		**100.4**	%REC			

Isopropanol was detected in the MBLK at a level between the MDL and the RL. Sample result is less than the RL. Data is reportable.

CCV recovered outside the upper control limits for Naphthalene. Sample results are below the reporting limit. Data is reportable per the TNI standard.

Allowable Marginal Exceedance of tert-Butyl Alcohol in the laboratory control sample is verified per the TNI Standard.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-003 **Client Sample ID:** SVP-3

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 187.3756096		0.0192		**ND**	mg/m3			
1,1-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 98.95916		0.0101		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 96.94328		0.0099		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 181.44702		0.0186		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	2.5	J	**1.3**	ppbv	5	04/24/2024 10:03	221909
MW 120.19158		0.0123		**0.0064**	mg/m3			
1,2-Dibromoethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 187.86116		0.0192		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 147.00196		0.015		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 98.95916		0.0101		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 112.98574		0.0116		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 120.19158		0.0123		**ND**	mg/m3			
1,3-Butadiene	NELAP	5.00		**8.67**	ppbv	5	04/24/2024 10:03	221909
MW 54.09044		0.0111		**0.0192**	mg/m3			
1,3-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dioxane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 88.10512		0.009		**ND**	mg/m3			
2-Butanone	NELAP	5.0	J	**0.71**	ppbv	5	04/24/2024 10:03	221909
MW 72.10572		0.0147		**0.0021**	mg/m3			
2-Chlorotoluene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 126.58348		0.0129		**ND**	mg/m3			
2-Hexanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 100.15888		0.0102		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 100.15888		0.0102		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-003 **Client Sample ID:** SVP-3

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	10.0		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 58.07914		0.0238		**ND**	mg/m3			
Acetonitrile	NELAP	2.50		**12.2**	ppbv	5	04/24/2024 10:03	221909
MW 41.05192		0.0042		**0.0205**	mg/m3			
Acrolein	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 56.06326		0.0057		**ND**	mg/m3			
Acrylonitrile	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 53.06262		0.0054		**ND**	mg/m3			
Allyl chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 76.5248		0.0156		**ND**	mg/m3			
Benzene	NELAP	2.50		**4.59**	ppbv	5	04/24/2024 10:03	221909
MW 78.11184		0.008		**0.0147**	mg/m3			
Benzyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 126.58348		0.0129		**ND**	mg/m3			
Bromodichloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 163.82864		0.0168		**ND**	mg/m3			
Bromoform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 252.73064		0.0258		**ND**	mg/m3			
Bromomethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 94.93852		0.0097		**ND**	mg/m3			
Carbon disulfide	NELAP	2.50		**33.7**	ppbv	5	04/24/2024 10:03	221909
MW 76.1407		0.0078		**0.1049**	mg/m3			
Carbon tetrachloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 153.8227		0.0157		**ND**	mg/m3			
Chlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 112.5569		0.0115		**ND**	mg/m3			
Chloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 64.5141		0.0066		**ND**	mg/m3			
Chloroform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 119.37764		0.0122		**ND**	mg/m3			
Chloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 50.48752		0.0052		**ND**	mg/m3			
Chloroprene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 88.5355		0.0091		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 96.94328		0.0099		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 110.96986		0.0113		**ND**	mg/m3			
Cyclohexane	NELAP	2.5	J	**2.2**	ppbv	5	04/24/2024 10:03	221909
MW 84.15948		0.0086		**0.0076**	mg/m3			
Dibromochloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 208.27964		0.0213		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	2.5	J	**0.43**	ppbv	5	04/24/2024 10:03	221909
MW 120.9135064		0.0124		**0.0021**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-003 **Client Sample ID:** SVP-3

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 170.9210128		0.0175		**ND**	mg/m3			
Ethanol	NELAP	25.0		**35.6**	ppbv	5	04/24/2024 10:03	221909
MW 46.06844		0.0471		**0.0671**	mg/m3			
Ethyl acetate	NELAP	5.00		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 88.10512		0.018		**ND**	mg/m3			
Ethylbenzene	NELAP	2.50		**3.67**	ppbv	5	04/24/2024 10:03	221909
MW 106.165		0.0109		**0.0159**	mg/m3			
Ethyl-tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 102.17476		0.0104		**ND**	mg/m3			
Hexachlorobutadiene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 260.7608		0.0267		**ND**	mg/m3			
Isooctane	NELAP	2.50		**7.84**	ppbv	5	04/24/2024 10:03	221909
MW 114.22852		0.0117		**0.0366**	mg/m3			
Isopropanol	NELAP	15.0		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 60.09502		0.0369		**ND**	mg/m3			
Isopropyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 102.17476		0.0104		**ND**	mg/m3			
Isopropylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 120.19158		0.0123		**ND**	mg/m3			
m,p-Xylene	NELAP	5.00		**7.46**	ppbv	5	04/24/2024 10:03	221909
MW 106.17		0.0217		**0.0324**	mg/m3			
Methyl methacrylate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 100.11582		0.0102		**ND**	mg/m3			
Methyl tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 88.14818		0.009		**ND**	mg/m3			
Methylene chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 84.93258		0.0174		**ND**	mg/m3			
Naphthalene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 128.17052		0.0131		**ND**	mg/m3			
n-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 134.21816		0.0137		**ND**	mg/m3			
n-Heptane	NELAP	2.50		**20.3**	ppbv	5	04/24/2024 10:03	221909
MW 100.20194		0.0102		**0.0832**	mg/m3			
n-Hexane	NELAP	2.50		**38.2**	ppbv	5	04/24/2024 10:03	221909
MW 86.17536		0.0088		**0.1346**	mg/m3			
n-Propylbenzene	NELAP	2.5	J	**0.54**	ppbv	5	04/24/2024 10:03	221909
MW 120.19158		0.0123		**0.0027**	mg/m3			
o-Cymene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 134.21816		0.0137		**ND**	mg/m3			
o-Xylene	NELAP	2.50		**3.59**	ppbv	5	04/24/2024 10:03	221909
MW 106.165		0.0109		**0.0156**	mg/m3			
p-Ethyltoluene	NELAP	2.5	J	**0.84**	ppbv	5	04/24/2024 10:03	221909
MW 120.19158		0.0123		**0.0041**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-003 **Client Sample ID:** SVP-3

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	250		**1270**	ppbv	500	04/19/2024 23:30	221753
MW 42.07974		0.4303		**2.1857**	mg/m3			
sec-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 134.21816		0.0137		**ND**	mg/m3			
Styrene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 104.14912		0.0106		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 102.17476		0.0104		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 74.1216		0.0076		**ND**	mg/m3			
tert-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 134.21816		0.0137		**ND**	mg/m3			
Tetrachloroethene	NELAP	2.5	J	**0.71**	ppbv	5	04/24/2024 10:03	221909
MW 165.8334		0.017		**0.0048**	mg/m3			
Tetrahydrofuran	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 72.10572		0.0074		**ND**	mg/m3			
Toluene	NELAP	250		**1800**	ppbv	500	04/19/2024 23:30	221753
MW 92.13842		0.9421		**6.7832**	mg/m3			
trans-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 96.94		0.0099		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 110.96986		0.0113		**ND**	mg/m3			
Trichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 131.38834		0.0134		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 137.3681032		0.014		**ND**	mg/m3			
Vinyl acetate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 86.08924		0.0088		**ND**	mg/m3			
Vinyl bromide	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 106.94922		0.0109		**ND**	mg/m3			
Vinyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:03	221909
MW 62.49822		0.0064		**ND**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**92.7**	%REC	5	04/24/2024 10:03	221909
MW 174.9983632		46.9-145		**92.7**	%REC			

Elevated reporting limit due to high levels of target and non-target analytes.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-004 **Client Sample ID:** SVP-4

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	2.5	J	**0.32**	ppbv	5	04/24/2024 10:52	221909
MW 187.3756096		0.0192		**0.0025**	mg/m3			
1,1-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 98.95916		0.0101		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 96.94328		0.0099		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 181.44702		0.0186		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	2.50		**2.95**	ppbv	5	04/24/2024 10:52	221909
MW 120.19158		0.0123		**0.0145**	mg/m3			
1,2-Dibromoethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 187.86116		0.0192		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 147.00196		0.015		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 98.95916		0.0101		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 112.98574		0.0116		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	2.5	J	**0.84**	ppbv	5	04/24/2024 10:52	221909
MW 120.19158		0.0123		**0.0041**	mg/m3			
1,3-Butadiene	NELAP	5.00		**12.2**	ppbv	5	04/24/2024 10:52	221909
MW 54.09044		0.0111		**0.027**	mg/m3			
1,3-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dioxane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 88.10512		0.009		**ND**	mg/m3			
2-Butanone	NELAP	5.0	J	**0.87**	ppbv	5	04/24/2024 10:52	221909
MW 72.10572		0.0147		**0.0026**	mg/m3			
2-Chlorotoluene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 126.58348		0.0129		**ND**	mg/m3			
2-Hexanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 100.15888		0.0102		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 100.15888		0.0102		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-004 **Client Sample ID:** SVP-4

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	10.0		**24.1**	ppbv	5	04/24/2024 10:52	221909
MW 58.07914		0.0238		**0.0572**	mg/m3			
Acetonitrile	NELAP	2.50		**12.3**	ppbv	5	04/24/2024 10:52	221909
MW 41.05192		0.0042		**0.0207**	mg/m3			
Acrolein	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 56.06326		0.0057		**ND**	mg/m3			
Acrylonitrile	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 53.06262		0.0054		**ND**	mg/m3			
Allyl chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 76.5248		0.0156		**ND**	mg/m3			
Benzene	NELAP	2.50		**7.36**	ppbv	5	04/24/2024 10:52	221909
MW 78.11184		0.008		**0.0235**	mg/m3			
Benzyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 126.58348		0.0129		**ND**	mg/m3			
Bromodichloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 163.82864		0.0168		**ND**	mg/m3			
Bromoform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 252.73064		0.0258		**ND**	mg/m3			
Bromomethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 94.93852		0.0097		**ND**	mg/m3			
Carbon disulfide	NELAP	2.50		**36.1**	ppbv	5	04/24/2024 10:52	221909
MW 76.1407		0.0078		**0.1124**	mg/m3			
Carbon tetrachloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 153.8227		0.0157		**ND**	mg/m3			
Chlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 112.5569		0.0115		**ND**	mg/m3			
Chloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 64.5141		0.0066		**ND**	mg/m3			
Chloroform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 119.37764		0.0122		**ND**	mg/m3			
Chloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 50.48752		0.0052		**ND**	mg/m3			
Chloroprene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 88.5355		0.0091		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 96.94328		0.0099		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 110.96986		0.0113		**ND**	mg/m3			
Cyclohexane	NELAP	2.5	J	**1.6**	ppbv	5	04/24/2024 10:52	221909
MW 84.15948		0.0086		**0.0055**	mg/m3			
Dibromochloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 208.27964		0.0213		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	2.5	J	**0.46**	ppbv	5	04/24/2024 10:52	221909
MW 120.9135064		0.0124		**0.0023**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-004 **Client Sample ID:** SVP-4

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 170.9210128		0.0175		**ND**	mg/m3			
Ethanol	NELAP	25.0		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 46.06844		0.0471		**ND**	mg/m3			
Ethyl acetate	NELAP	5.00		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 88.10512		0.018		**ND**	mg/m3			
Ethylbenzene	NELAP	2.50		**4.25**	ppbv	5	04/24/2024 10:52	221909
MW 106.165		0.0109		**0.0185**	mg/m3			
Ethyl-tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 102.17476		0.0104		**ND**	mg/m3			
Hexachlorobutadiene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 260.7608		0.0267		**ND**	mg/m3			
Isooctane	NELAP	2.5	J	**2.1**	ppbv	5	04/24/2024 10:52	221909
MW 114.22852		0.0117		**0.0098**	mg/m3			
Isopropanol	NELAP	15.0		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 60.09502		0.0369		**ND**	mg/m3			
Isopropyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 102.17476		0.0104		**ND**	mg/m3			
Isopropylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 120.19158		0.0123		**ND**	mg/m3			
m,p-Xylene	NELAP	5.00		**12.0**	ppbv	5	04/24/2024 10:52	221909
MW 106.17		0.0217		**0.0521**	mg/m3			
Methyl methacrylate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 100.11582		0.0102		**ND**	mg/m3			
Methyl tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 88.14818		0.009		**ND**	mg/m3			
Methylene chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 84.93258		0.0174		**ND**	mg/m3			
Naphthalene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 128.17052		0.0131		**ND**	mg/m3			
n-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 134.21816		0.0137		**ND**	mg/m3			
n-Heptane	NELAP	2.50		**7.56**	ppbv	5	04/24/2024 10:52	221909
MW 100.20194		0.0102		**0.031**	mg/m3			
n-Hexane	NELAP	2.50		**25.9**	ppbv	5	04/24/2024 10:52	221909
MW 86.17536		0.0088		**0.0913**	mg/m3			
n-Propylbenzene	NELAP	2.5	J	**0.78**	ppbv	5	04/24/2024 10:52	221909
MW 120.19158		0.0123		**0.0038**	mg/m3			
o-Cymene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 134.21816		0.0137		**ND**	mg/m3			
o-Xylene	NELAP	2.50		**4.38**	ppbv	5	04/24/2024 10:52	221909
MW 106.165		0.0109		**0.019**	mg/m3			
p-Ethyltoluene	NELAP	2.5	J	**0.93**	ppbv	5	04/24/2024 10:52	221909
MW 120.19158		0.0123		**0.0046**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-004 **Client Sample ID:** SVP-4

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	250		**1640**	ppbv	500	04/20/2024 0:17	221753
MW 42.07974		0.4303		**2.8225**	mg/m3			
sec-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 134.21816		0.0137		**ND**	mg/m3			
Styrene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 104.14912		0.0106		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 102.17476		0.0104		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 74.1216		0.0076		**ND**	mg/m3			
tert-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 134.21816		0.0137		**ND**	mg/m3			
Tetrachloroethene	NELAP	2.5	J	**0.75**	ppbv	5	04/24/2024 10:52	221909
MW 165.8334		0.017		**0.0051**	mg/m3			
Tetrahydrofuran	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 72.10572		0.0074		**ND**	mg/m3			
Toluene	NELAP	2.50		**30.2**	ppbv	5	04/24/2024 10:52	221909
MW 92.13842		0.0094		**0.1138**	mg/m3			
trans-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 96.94		0.0099		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 110.96986		0.0113		**ND**	mg/m3			
Trichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 131.38834		0.0134		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	2.5	J	**0.27**	ppbv	5	04/24/2024 10:52	221909
MW 137.3681032		0.014		**0.0015**	mg/m3			
Vinyl acetate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 86.08924		0.0088		**ND**	mg/m3			
Vinyl bromide	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 106.94922		0.0109		**ND**	mg/m3			
Vinyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 10:52	221909
MW 62.49822		0.0064		**ND**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**98.4**	%REC	5	04/24/2024 10:52	221909
MW 174.9983632		46.9-145		**98.4**	%REC			

Elevated reporting limit due to high levels of target and non-target analytes.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-005 **Client Sample ID:** SVP-5

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 167.84928		0.0069		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 133.40422		0.0055		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 167.84928		0.0069		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 133.40422		0.0055		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	1.0	J	**0.38**	ppbv	2	04/24/2024 17:38	221958
MW 187.3756096		0.0077		**0.0029**	mg/m3			
1,1-Dichloroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 98.95916		0.004		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 96.94328		0.004		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 181.44702		0.0074		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 120.19158		0.0049		**ND**	mg/m3			
1,2-Dibromoethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 187.86116		0.0077		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 147.00196		0.006		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 98.95916		0.004		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 112.98574		0.0046		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 120.19158		0.0049		**ND**	mg/m3			
1,3-Butadiene	NELAP	2.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 54.09044		0.0044		**ND**	mg/m3			
1,3-Dichlorobenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 147.00196		0.006		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 147.00196		0.006		**ND**	mg/m3			
1,4-Dioxane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 88.10512		0.0036		**ND**	mg/m3			
2-Butanone	NELAP	2.0	J	**0.28**	ppbv	2	04/24/2024 17:38	221958
MW 72.10572		0.0059		**0.0008**	mg/m3			
2-Chlorotoluene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 126.58348		0.0052		**ND**	mg/m3			
2-Hexanone	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 100.15888		0.0041		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	1.0	J	**0.11**	ppbv	2	04/24/2024 17:38	221958
MW 100.15888		0.0041		**0.0005**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-005 **Client Sample ID:** SVP-5

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	4.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 58.07914		0.0095		**ND**	mg/m3			
Acetonitrile	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 41.05192		0.0017		**ND**	mg/m3			
Acrolein	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 56.06326		0.0023		**ND**	mg/m3			
Acrylonitrile	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 53.06262		0.0022		**ND**	mg/m3			
Allyl chloride	NELAP	2.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 76.5248		0.0063		**ND**	mg/m3			
Benzene	NELAP	1.0	J	**0.40**	ppbv	2	04/24/2024 17:38	221958
MW 78.11184		0.0032		**0.0013**	mg/m3			
Benzyl chloride	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 126.58348		0.0052		**ND**	mg/m3			
Bromodichloromethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 163.82864		0.0067		**ND**	mg/m3			
Bromoform	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 252.73064		0.0103		**ND**	mg/m3			
Bromomethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 94.93852		0.0039		**ND**	mg/m3			
Carbon disulfide	NELAP	1.0	J	**0.78**	ppbv	2	04/24/2024 17:38	221958
MW 76.1407		0.0031		**0.0024**	mg/m3			
Carbon tetrachloride	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 153.8227		0.0063		**ND**	mg/m3			
Chlorobenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 112.5569		0.0046		**ND**	mg/m3			
Chloroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 64.5141		0.0026		**ND**	mg/m3			
Chloroform	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 119.37764		0.0049		**ND**	mg/m3			
Chloromethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 50.48752		0.0021		**ND**	mg/m3			
Chloroprene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 88.5355		0.0036		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 96.94328		0.004		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 110.96986		0.0045		**ND**	mg/m3			
Cyclohexane	NELAP	1.0	J	**0.22**	ppbv	2	04/24/2024 17:38	221958
MW 84.15948		0.0034		**0.0008**	mg/m3			
Dibromochloromethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 208.27964		0.0085		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	1.0	J	**0.41**	ppbv	2	04/24/2024 17:38	221958
MW 120.9135064		0.0049		**0.002**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-005 **Client Sample ID:** SVP-5

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 170.9210128		0.007		**ND**	mg/m3			
Ethanol	NELAP	10.0		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 46.06844		0.0188		**ND**	mg/m3			
Ethyl acetate	NELAP	2.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 88.10512		0.0072		**ND**	mg/m3			
Ethylbenzene	NELAP	1.0	J	**0.10**	ppbv	2	04/24/2024 17:38	221958
MW 106.165		0.0043		**0.0004**	mg/m3			
Ethyl-tert-butyl ether	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 102.17476		0.0042		**ND**	mg/m3			
Hexachlorobutadiene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 260.7608		0.0107		**ND**	mg/m3			
Isooctane	NELAP	1.0	J	**0.12**	ppbv	2	04/24/2024 17:38	221958
MW 114.22852		0.0047		**0.0006**	mg/m3			
Isopropanol	NELAP	6.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 60.09502		0.0147		**ND**	mg/m3			
Isopropyl ether	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 102.17476		0.0042		**ND**	mg/m3			
Isopropylbenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 120.19158		0.0049		**ND**	mg/m3			
m,p-Xylene	NELAP	2.0	J	**0.24**	ppbv	2	04/24/2024 17:38	221958
MW 106.17		0.0087		**0.001**	mg/m3			
Methyl methacrylate	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 100.11582		0.0041		**ND**	mg/m3			
Methyl tert-butyl ether	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 88.14818		0.0036		**ND**	mg/m3			
Methylene chloride	NELAP	2.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 84.93258		0.0069		**ND**	mg/m3			
Naphthalene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 128.17052		0.0052		**ND**	mg/m3			
n-Butylbenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 134.21816		0.0055		**ND**	mg/m3			
n-Heptane	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 100.20194		0.0041		**ND**	mg/m3			
n-Hexane	NELAP	1.00		**1.35**	ppbv	2	04/24/2024 17:38	221958
MW 86.17536		0.0035		**0.0048**	mg/m3			
n-Propylbenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 120.19158		0.0049		**ND**	mg/m3			
o-Cymene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 134.21816		0.0055		**ND**	mg/m3			
o-Xylene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 106.165		0.0043		**ND**	mg/m3			
p-Ethyltoluene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 120.19158		0.0049		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-005 **Client Sample ID:** SVP-5

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	2.50		**18.9**	ppbv	5	04/23/2024 8:39	221844
MW 42.07974		0.0043		**0.0325**	mg/m3			
sec-Butylbenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 134.21816		0.0055		**ND**	mg/m3			
Styrene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 104.14912		0.0043		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 102.17476		0.0042		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	1.0	J	**0.59**	ppbv	2	04/24/2024 17:38	221958
MW 74.1216		0.003		**0.0018**	mg/m3			
tert-Butylbenzene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 134.21816		0.0055		**ND**	mg/m3			
Tetrachloroethene	NELAP	1.0	J	**0.64**	ppbv	2	04/24/2024 17:38	221958
MW 165.8334		0.0068		**0.0043**	mg/m3			
Tetrahydrofuran	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 72.10572		0.0029		**ND**	mg/m3			
Toluene	NELAP	1.0	J	**0.56**	ppbv	2	04/24/2024 17:38	221958
MW 92.13842		0.0038		**0.0021**	mg/m3			
trans-1,2-Dichloroethene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 96.94		0.004		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 110.96986		0.0045		**ND**	mg/m3			
Trichloroethene	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 131.38834		0.0054		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	1.0	J	**0.19**	ppbv	2	04/24/2024 17:38	221958
MW 137.3681032		0.0056		**0.0011**	mg/m3			
Vinyl acetate	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 86.08924		0.0035		**ND**	mg/m3			
Vinyl bromide	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 106.94922		0.0044		**ND**	mg/m3			
Vinyl chloride	NELAP	1.00		**ND**	ppbv	2	04/24/2024 17:38	221958
MW 62.49822		0.0026		**ND**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**87.9**	%REC	2	04/24/2024 17:38	221958
MW 174.9983632		46.9-145		**87.9**	%REC			

Elevated reporting limit due to high levels of target and non-target analytes.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-006 **Client Sample ID:** SVP-6

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 10:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 187.3756096		0.0192		**ND**	mg/m3			
1,1-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 98.95916		0.0101		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 96.94328		0.0099		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 181.44702		0.0186		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	2.50		**2.62**	ppbv	5	04/24/2024 18:27	221958
MW 120.19158		0.0123		**0.0129**	mg/m3			
1,2-Dibromoethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 187.86116		0.0192		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 98.95916		0.0101		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 112.98574		0.0116		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	2.5	J	**1.0**	ppbv	5	04/24/2024 18:27	221958
MW 120.19158		0.0123		**0.0049**	mg/m3			
1,3-Butadiene	NELAP	5.00		**5.66**	ppbv	5	04/24/2024 18:27	221958
MW 54.09044		0.0111		**0.0125**	mg/m3			
1,3-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dioxane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 88.10512		0.009		**ND**	mg/m3			
2-Butanone	NELAP	5.0	J	**0.65**	ppbv	5	04/24/2024 18:27	221958
MW 72.10572		0.0147		**0.0019**	mg/m3			
2-Chlorotoluene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 126.58348		0.0129		**ND**	mg/m3			
2-Hexanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 100.15888		0.0102		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 100.15888		0.0102		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-006 **Client Sample ID:** SVP-6

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 10:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	10.0		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 58.07914		0.0238		**ND**	mg/m3			
Acetonitrile	NELAP	2.50		**4.13**	ppbv	5	04/24/2024 18:27	221958
MW 41.05192		0.0042		**0.0069**	mg/m3			
Acrolein	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 56.06326		0.0057		**ND**	mg/m3			
Acrylonitrile	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 53.06262		0.0054		**ND**	mg/m3			
Allyl chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 76.5248		0.0156		**ND**	mg/m3			
Benzene	NELAP	2.50		**2.54**	ppbv	5	04/24/2024 18:27	221958
MW 78.11184		0.008		**0.0081**	mg/m3			
Benzyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 126.58348		0.0129		**ND**	mg/m3			
Bromodichloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 163.82864		0.0168		**ND**	mg/m3			
Bromoform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 252.73064		0.0258		**ND**	mg/m3			
Bromomethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 94.93852		0.0097		**ND**	mg/m3			
Carbon disulfide	NELAP	2.50		**25.1**	ppbv	5	04/24/2024 18:27	221958
MW 76.1407		0.0078		**0.0782**	mg/m3			
Carbon tetrachloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 153.8227		0.0157		**ND**	mg/m3			
Chlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 112.5569		0.0115		**ND**	mg/m3			
Chloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 64.5141		0.0066		**ND**	mg/m3			
Chloroform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 119.37764		0.0122		**ND**	mg/m3			
Chloromethane	NELAP	2.5	J	**0.38**	ppbv	5	04/24/2024 18:27	221958
MW 50.48752		0.0052		**0.0008**	mg/m3			
Chloroprene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 88.5355		0.0091		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 96.94328		0.0099		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 110.96986		0.0113		**ND**	mg/m3			
Cyclohexane	NELAP	2.5	J	**1.2**	ppbv	5	04/24/2024 18:27	221958
MW 84.15948		0.0086		**0.0041**	mg/m3			
Dibromochloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 208.27964		0.0213		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	2.5	J	**0.45**	ppbv	5	04/24/2024 18:27	221958
MW 120.9135064		0.0124		**0.0022**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-006 **Client Sample ID:** SVP-6

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 10:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 170.9210128		0.0175		**ND**	mg/m3			
Ethanol	NELAP	25.0		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 46.06844		0.0471		**ND**	mg/m3			
Ethyl acetate	NELAP	5.00		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 88.10512		0.018		**ND**	mg/m3			
Ethylbenzene	NELAP	2.50		**3.22**	ppbv	5	04/24/2024 18:27	221958
MW 106.165		0.0109		**0.014**	mg/m3			
Ethyl-tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 102.17476		0.0104		**ND**	mg/m3			
Hexachlorobutadiene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 260.7608		0.0267		**ND**	mg/m3			
Isooctane	NELAP	2.5	J	**2.3**	ppbv	5	04/24/2024 18:27	221958
MW 114.22852		0.0117		**0.0107**	mg/m3			
Isopropanol	NELAP	15.0		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 60.09502		0.0369		**ND**	mg/m3			
Isopropyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 102.17476		0.0104		**ND**	mg/m3			
Isopropylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 120.19158		0.0123		**ND**	mg/m3			
m,p-Xylene	NELAP	5.00		**11.2**	ppbv	5	04/24/2024 18:27	221958
MW 106.17		0.0217		**0.0486**	mg/m3			
Methyl methacrylate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 100.11582		0.0102		**ND**	mg/m3			
Methyl tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 88.14818		0.009		**ND**	mg/m3			
Methylene chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 84.93258		0.0174		**ND**	mg/m3			
Naphthalene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 128.17052		0.0131		**ND**	mg/m3			
n-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 134.21816		0.0137		**ND**	mg/m3			
n-Heptane	NELAP	2.50		**4.70**	ppbv	5	04/24/2024 18:27	221958
MW 100.20194		0.0102		**0.0193**	mg/m3			
n-Hexane	NELAP	2.50		**9.58**	ppbv	5	04/24/2024 18:27	221958
MW 86.17536		0.0088		**0.0338**	mg/m3			
n-Propylbenzene	NELAP	2.5	J	**0.72**	ppbv	5	04/24/2024 18:27	221958
MW 120.19158		0.0123		**0.0035**	mg/m3			
o-Cymene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 134.21816		0.0137		**ND**	mg/m3			
o-Xylene	NELAP	2.50		**3.46**	ppbv	5	04/24/2024 18:27	221958
MW 106.165		0.0109		**0.015**	mg/m3			
p-Ethyltoluene	NELAP	2.5	J	**0.89**	ppbv	5	04/24/2024 18:27	221958
MW 120.19158		0.0123		**0.0044**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-006 **Client Sample ID:** SVP-6

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 10:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	250		**508**	ppbv	500	04/20/2024 1:53	221753
MW 42.07974		0.4303		**0.8743**	mg/m3			
sec-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 134.21816		0.0137		**ND**	mg/m3			
Styrene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 104.14912		0.0106		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 102.17476		0.0104		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 74.1216		0.0076		**ND**	mg/m3			
tert-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 134.21816		0.0137		**ND**	mg/m3			
Tetrachloroethene	NELAP	2.5	J	**0.44**	ppbv	5	04/24/2024 18:27	221958
MW 165.8334		0.017		**0.003**	mg/m3			
Tetrahydrofuran	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 72.10572		0.0074		**ND**	mg/m3			
Toluene	NELAP	2.50		**17.1**	ppbv	5	04/24/2024 18:27	221958
MW 92.13842		0.0094		**0.0644**	mg/m3			
trans-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 96.94		0.0099		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 110.96986		0.0113		**ND**	mg/m3			
Trichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 131.38834		0.0134		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	2.5	J	**0.25**	ppbv	5	04/24/2024 18:27	221958
MW 137.3681032		0.014		**0.0014**	mg/m3			
Vinyl acetate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 86.08924		0.0088		**ND**	mg/m3			
Vinyl bromide	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 106.94922		0.0109		**ND**	mg/m3			
Vinyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 18:27	221958
MW 62.49822		0.0064		**ND**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**97.9**	%REC	5	04/24/2024 18:27	221958
MW 174.9983632		46.9-145		**97.9**	%REC			

Elevated reporting limit due to high levels of target and non-target analytes.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-007 **Client Sample ID:** SVP-7

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 187.3756096		0.0192		**ND**	mg/m3			
1,1-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 98.95916		0.0101		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 96.94328		0.0099		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 181.44702		0.0186		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 120.19158		0.0123		**ND**	mg/m3			
1,2-Dibromoethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 187.86116		0.0192		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 98.95916		0.0101		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 112.98574		0.0116		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 120.19158		0.0123		**ND**	mg/m3			
1,3-Butadiene	NELAP	5.00		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 54.09044		0.0111		**ND**	mg/m3			
1,3-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dioxane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 88.10512		0.009		**ND**	mg/m3			
2-Butanone	NELAP	5.00		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 72.10572		0.0147		**ND**	mg/m3			
2-Chlorotoluene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 126.58348		0.0129		**ND**	mg/m3			
2-Hexanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 100.15888		0.0102		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 100.15888		0.0102		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-007 **Client Sample ID:** SVP-7

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	10.0		**15.5**	ppbv	5	04/24/2024 19:16	221958
MW 58.07914		0.0238		**0.0368**	mg/m3			
Acetonitrile	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 41.05192		0.0042		**ND**	mg/m3			
Acrolein	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 56.06326		0.0057		**ND**	mg/m3			
Acrylonitrile	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 53.06262		0.0054		**ND**	mg/m3			
Allyl chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 76.5248		0.0156		**ND**	mg/m3			
Benzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 78.11184		0.008		**ND**	mg/m3			
Benzyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 126.58348		0.0129		**ND**	mg/m3			
Bromodichloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 163.82864		0.0168		**ND**	mg/m3			
Bromoform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 252.73064		0.0258		**ND**	mg/m3			
Bromomethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 94.93852		0.0097		**ND**	mg/m3			
Carbon disulfide	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 76.1407		0.0078		**ND**	mg/m3			
Carbon tetrachloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 153.8227		0.0157		**ND**	mg/m3			
Chlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 112.5569		0.0115		**ND**	mg/m3			
Chloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 64.5141		0.0066		**ND**	mg/m3			
Chloroform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 119.37764		0.0122		**ND**	mg/m3			
Chloromethane	NELAP	2.5	J	**0.51**	ppbv	5	04/24/2024 19:16	221958
MW 50.48752		0.0052		**0.0011**	mg/m3			
Chloroprene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 88.5355		0.0091		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 96.94328		0.0099		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 110.96986		0.0113		**ND**	mg/m3			
Cyclohexane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 84.15948		0.0086		**ND**	mg/m3			
Dibromochloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 208.27964		0.0213		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	2.5	J	**0.40**	ppbv	5	04/24/2024 19:16	221958
MW 120.9135064		0.0124		**0.002**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-007 **Client Sample ID:** SVP-7

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 170.9210128		0.0175		ND	mg/m3			
Ethanol	NELAP	25.0		ND	ppbv	5	04/24/2024 19:16	221958
MW 46.06844		0.0471		ND	mg/m3			
Ethyl acetate	NELAP	5.00		ND	ppbv	5	04/24/2024 19:16	221958
MW 88.10512		0.018		ND	mg/m3			
Ethylbenzene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 106.165		0.0109		ND	mg/m3			
Ethyl-tert-butyl ether	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 102.17476		0.0104		ND	mg/m3			
Hexachlorobutadiene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 260.7608		0.0267		ND	mg/m3			
Isooctane	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 114.22852		0.0117		ND	mg/m3			
Isopropanol	NELAP	15.0		ND	ppbv	5	04/24/2024 19:16	221958
MW 60.09502		0.0369		ND	mg/m3			
Isopropyl ether	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 102.17476		0.0104		ND	mg/m3			
Isopropylbenzene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 120.19158		0.0123		ND	mg/m3			
m,p-Xylene	NELAP	5.00		ND	ppbv	5	04/24/2024 19:16	221958
MW 106.17		0.0217		ND	mg/m3			
Methyl methacrylate	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 100.11582		0.0102		ND	mg/m3			
Methyl tert-butyl ether	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 88.14818		0.009		ND	mg/m3			
Methylene chloride	NELAP	5.00		ND	ppbv	5	04/24/2024 19:16	221958
MW 84.93258		0.0174		ND	mg/m3			
Naphthalene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 128.17052		0.0131		ND	mg/m3			
n-Butylbenzene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 134.21816		0.0137		ND	mg/m3			
n-Heptane	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 100.20194		0.0102		ND	mg/m3			
n-Hexane	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 86.17536		0.0088		ND	mg/m3			
n-Propylbenzene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 120.19158		0.0123		ND	mg/m3			
o-Cymene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 134.21816		0.0137		ND	mg/m3			
o-Xylene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 106.165		0.0109		ND	mg/m3			
p-Ethyltoluene	NELAP	2.50		ND	ppbv	5	04/24/2024 19:16	221958
MW 120.19158		0.0123		ND	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-007 **Client Sample ID:** SVP-7

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 8:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 42.07974		0.0043		**ND**	mg/m3			
sec-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 134.21816		0.0137		**ND**	mg/m3			
Styrene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 104.14912		0.0106		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 102.17476		0.0104		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 74.1216		0.0076		**ND**	mg/m3			
tert-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 134.21816		0.0137		**ND**	mg/m3			
Tetrachloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 165.8334		0.017		**ND**	mg/m3			
Tetrahydrofuran	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 72.10572		0.0074		**ND**	mg/m3			
Toluene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 92.13842		0.0094		**ND**	mg/m3			
trans-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 96.94		0.0099		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 110.96986		0.0113		**ND**	mg/m3			
Trichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 131.38834		0.0134		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 137.3681032		0.014		**ND**	mg/m3			
Vinyl acetate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 86.08924		0.0088		**ND**	mg/m3			
Vinyl bromide	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 106.94922		0.0109		**ND**	mg/m3			
Vinyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 19:16	221958
MW 62.49822		0.0064		**ND**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**86.5**	%REC	5	04/24/2024 19:16	221958
MW 174.9983632		46.9-145		**86.5**	%REC			

Elevated reporting limit due to high levels of target and non-target analytes.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-008 **Client Sample ID:** SVP-8

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,1-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2,2-Tetrachloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 167.84928		0.0172		**ND**	mg/m3			
1,1,2-Trichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 133.40422		0.0136		**ND**	mg/m3			
1,1,2-Trichlorotrifluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 187.3756096		0.0192		**ND**	mg/m3			
1,1-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 98.95916		0.0101		**ND**	mg/m3			
1,1-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 96.94328		0.0099		**ND**	mg/m3			
1,2,4-Trichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 181.44702		0.0186		**ND**	mg/m3			
1,2,4-Trimethylbenzene	NELAP	2.5	J	**1.9**	ppbv	5	04/24/2024 20:05	221958
MW 120.19158		0.0123		**0.0093**	mg/m3			
1,2-Dibromoethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 187.86116		0.0192		**ND**	mg/m3			
1,2-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,2-Dichloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 98.95916		0.0101		**ND**	mg/m3			
1,2-Dichloropropane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 112.98574		0.0116		**ND**	mg/m3			
1,3,5-Trimethylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 120.19158		0.0123		**ND**	mg/m3			
1,3-Butadiene	NELAP	5.00		**7.36**	ppbv	5	04/24/2024 20:05	221958
MW 54.09044		0.0111		**0.0163**	mg/m3			
1,3-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dichlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 147.00196		0.015		**ND**	mg/m3			
1,4-Dioxane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 88.10512		0.009		**ND**	mg/m3			
2-Butanone	NELAP	5.0	J	**0.62**	ppbv	5	04/24/2024 20:05	221958
MW 72.10572		0.0147		**0.0018**	mg/m3			
2-Chlorotoluene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 126.58348		0.0129		**ND**	mg/m3			
2-Hexanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 100.15888		0.0102		**ND**	mg/m3			
4-Methyl-2-pentanone	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 100.15888		0.0102		**ND**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-008 **Client Sample ID:** SVP-8

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Acetone	NELAP	10.0		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 58.07914		0.0238		**ND**	mg/m3			
Acetonitrile	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 41.05192		0.0042		**ND**	mg/m3			
Acrolein	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 56.06326		0.0057		**ND**	mg/m3			
Acrylonitrile	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 53.06262		0.0054		**ND**	mg/m3			
Allyl chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 76.5248		0.0156		**ND**	mg/m3			
Benzene	NELAP	2.50		**12.2**	ppbv	5	04/24/2024 20:05	221958
MW 78.11184		0.008		**0.039**	mg/m3			
Benzyl chloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 126.58348		0.0129		**ND**	mg/m3			
Bromodichloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 163.82864		0.0168		**ND**	mg/m3			
Bromoform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 252.73064		0.0258		**ND**	mg/m3			
Bromomethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 94.93852		0.0097		**ND**	mg/m3			
Carbon disulfide	NELAP	2.50		**20.8**	ppbv	5	04/24/2024 20:05	221958
MW 76.1407		0.0078		**0.0648**	mg/m3			
Carbon tetrachloride	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 153.8227		0.0157		**ND**	mg/m3			
Chlorobenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 112.5569		0.0115		**ND**	mg/m3			
Chloroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 64.5141		0.0066		**ND**	mg/m3			
Chloroform	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 119.37764		0.0122		**ND**	mg/m3			
Chloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 50.48752		0.0052		**ND**	mg/m3			
Chloroprene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 88.5355		0.0091		**ND**	mg/m3			
cis-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 96.94328		0.0099		**ND**	mg/m3			
cis-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 110.96986		0.0113		**ND**	mg/m3			
Cyclohexane	NELAP	2.50		**2.55**	ppbv	5	04/24/2024 20:05	221958
MW 84.15948		0.0086		**0.0088**	mg/m3			
Dibromochloromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 208.27964		0.0213		**ND**	mg/m3			
Dichlorodifluoromethane	NELAP	2.5	J	**0.46**	ppbv	5	04/24/2024 20:05	221958
MW 120.9135064		0.0124		**0.0023**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-008 **Client Sample ID:** SVP-8

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Dichlorotetrafluoroethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 170.9210128		0.0175		**ND**	mg/m3			
Ethanol	NELAP	25	J	**13**	ppbv	5	04/24/2024 20:05	221958
MW 46.06844		0.0471		**0.0245**	mg/m3			
Ethyl acetate	NELAP	5.00		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 88.10512		0.018		**ND**	mg/m3			
Ethylbenzene	NELAP	2.50		**5.31**	ppbv	5	04/24/2024 20:05	221958
MW 106.165		0.0109		**0.0231**	mg/m3			
Ethyl-tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 102.17476		0.0104		**ND**	mg/m3			
Hexachlorobutadiene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 260.7608		0.0267		**ND**	mg/m3			
Isooctane	NELAP	2.50		**8.30**	ppbv	5	04/24/2024 20:05	221958
MW 114.22852		0.0117		**0.0388**	mg/m3			
Isopropanol	NELAP	15.0		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 60.09502		0.0369		**ND**	mg/m3			
Isopropyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 102.17476		0.0104		**ND**	mg/m3			
Isopropylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 120.19158		0.0123		**ND**	mg/m3			
m,p-Xylene	NELAP	5.00		**10.1**	ppbv	5	04/24/2024 20:05	221958
MW 106.17		0.0217		**0.0439**	mg/m3			
Methyl methacrylate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 100.11582		0.0102		**ND**	mg/m3			
Methyl tert-butyl ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 88.14818		0.009		**ND**	mg/m3			
Methylene chloride	NELAP	5.00		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 84.93258		0.0174		**ND**	mg/m3			
Naphthalene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 128.17052		0.0131		**ND**	mg/m3			
n-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 134.21816		0.0137		**ND**	mg/m3			
n-Heptane	NELAP	2.50		**11.0**	ppbv	5	04/24/2024 20:05	221958
MW 100.20194		0.0102		**0.0451**	mg/m3			
n-Hexane	NELAP	2.50		**29.2**	ppbv	5	04/24/2024 20:05	221958
MW 86.17536		0.0088		**0.1029**	mg/m3			
n-Propylbenzene	NELAP	2.5	J	**0.74**	ppbv	5	04/24/2024 20:05	221958
MW 120.19158		0.0123		**0.0036**	mg/m3			
o-Cymene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 134.21816		0.0137		**ND**	mg/m3			
o-Xylene	NELAP	2.50		**5.22**	ppbv	5	04/24/2024 20:05	221958
MW 106.165		0.0109		**0.0227**	mg/m3			
p-Ethyltoluene	NELAP	2.5	J	**1.0**	ppbv	5	04/24/2024 20:05	221958
MW 120.19158		0.0123		**0.0049**	mg/m3			

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

Lab ID: 24041607-008 **Client Sample ID:** SVP-8

Matrix: AIR CANISTER **Collection Date:** 04/18/2024 9:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
Propylene	NELAP	250		**575**	ppbv	500	04/20/2024 3:29	221753
MW 42.07974		0.4303		**0.9896**	mg/m3			
sec-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 134.21816		0.0137		**ND**	mg/m3			
Styrene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 104.14912		0.0106		**ND**	mg/m3			
tert-Amyl Methyl Ether	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 102.17476		0.0104		**ND**	mg/m3			
tert-Butyl alcohol	NELAP	2.5	J	**0.92**	ppbv	5	04/24/2024 20:05	221958
MW 74.1216		0.0076		**0.0028**	mg/m3			
tert-Butylbenzene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 134.21816		0.0137		**ND**	mg/m3			
Tetrachloroethene	NELAP	2.5	J	**0.87**	ppbv	5	04/24/2024 20:05	221958
MW 165.8334		0.017		**0.0059**	mg/m3			
Tetrahydrofuran	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 72.10572		0.0074		**ND**	mg/m3			
Toluene	NELAP	250		**1240**	ppbv	500	04/20/2024 3:29	221753
MW 92.13842		0.9421		**4.6729**	mg/m3			
trans-1,2-Dichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 96.94		0.0099		**ND**	mg/m3			
trans-1,3-dichloropropene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 110.96986		0.0113		**ND**	mg/m3			
Trichloroethene	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 131.38834		0.0134		**ND**	mg/m3			
Trichlorofluoromethane	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 137.3681032		0.014		**ND**	mg/m3			
Vinyl acetate	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 86.08924		0.0088		**ND**	mg/m3			
Vinyl bromide	NELAP	2.50		**ND**	ppbv	5	04/24/2024 20:05	221958
MW 106.94922		0.0109		**ND**	mg/m3			
Vinyl chloride	NELAP	2.5	J	**1.0**	ppbv	5	04/24/2024 20:05	221958
MW 62.49822		0.0064		**0.0026**	mg/m3			
Surr: 4-Bromofluorobenzene	*	46.9-145		**91.6**	%REC	5	04/24/2024 20:05	221958
MW 174.9983632		46.9-145		**91.6**	%REC			

Elevated reporting limit due to high levels of target and non-target analytes.

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221753 **SampType:** MBLK Units **ppbv**

SampID: MBLK-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**ND**						04/19/2024
1,1,1-Trichloroethane	*	0.50		**ND**						04/19/2024
1,1,2,2-Tetrachloroethane	*	0.50		**ND**						04/19/2024
1,1,2-Trichloroethane	*	0.50		**ND**						04/19/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**ND**						04/19/2024
1,1-Dichloroethane	*	0.50		**ND**						04/19/2024
1,1-Dichloroethene	*	0.50		**ND**						04/19/2024
1,2,4-Trichlorobenzene	*	0.50		**ND**						04/19/2024
1,2,4-Trimethylbenzene	*	0.50		**ND**						04/19/2024
1,2-Dibromoethane	*	0.50		**ND**						04/19/2024
1,2-Dichlorobenzene	*	0.50		**ND**						04/19/2024
1,2-Dichloroethane	*	0.50		**ND**						04/19/2024
1,2-Dichloropropane	*	0.50		**ND**						04/19/2024
1,3,5-Trimethylbenzene	*	0.50		**ND**						04/19/2024
1,3-Butadiene	*	1.00		**ND**						04/19/2024
1,3-Dichlorobenzene	*	0.50		**ND**						04/19/2024
1,4-Dichlorobenzene	*	0.50		**ND**						04/19/2024
1,4-Dioxane	*	0.50		**ND**						04/19/2024
2-Butanone	*	1.00		**ND**						04/19/2024
2-Chlorotoluene	*	0.50		**ND**						04/19/2024
2-Hexanone	*	0.50		**ND**						04/19/2024
4-Methyl-2-pentanone	*	0.50		**ND**						04/19/2024
Acetone	*	2.00		**ND**						04/19/2024
Acetonitrile	*	0.50		**ND**						04/19/2024
Acrolein	*	0.50		**ND**						04/19/2024
Acrylonitrile	*	0.50		**ND**						04/19/2024
Allyl chloride	*	1.00		**ND**						04/19/2024
Benzene	*	0.50		**ND**						04/19/2024
Benzyl chloride	*	0.50		**ND**						04/19/2024
Bromodichloromethane	*	0.50		**ND**						04/19/2024
Bromoform	*	0.50		**ND**						04/19/2024
Bromomethane	*	0.50		**ND**						04/19/2024
Carbon disulfide	*	0.50		**ND**						04/19/2024
Carbon tetrachloride	*	0.50		**ND**						04/19/2024
Chlorobenzene	*	0.50		**ND**						04/19/2024
Chloroethane	*	0.50		**ND**						04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221753 **SampType:** MBLK Units **ppbv**

SampID: MBLK-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**ND**						04/19/2024
Chloromethane	*	0.50		**ND**						04/19/2024
Chloroprene	*	0.05		**ND**						04/19/2024
cis-1,2-Dichloroethene	*	0.50		**ND**						04/19/2024
cis-1,3-dichloropropene	*	0.50		**ND**						04/19/2024
Cyclohexane	*	0.50		**ND**						04/19/2024
Dibromochloromethane	*	0.50		**ND**						04/19/2024
Dichlorodifluoromethane	*	0.50		**ND**						04/19/2024
Dichlorotetrafluoroethane	*	0.50		**ND**						04/19/2024
Ethanol	*	5.00		**ND**						04/19/2024
Ethyl acetate	*	1.00		**ND**						04/19/2024
Ethylbenzene	*	0.50		**ND**						04/19/2024
Ethyl-tert-butyl ether	*	0.50		**ND**						04/19/2024
Hexachlorobutadiene	*	0.50		**ND**						04/19/2024
Isooctane	*	0.50		**ND**						04/19/2024
Isopropanol	*	3.00		**ND**						04/19/2024
Isopropyl ether	*	0.50		**ND**						04/19/2024
Isopropylbenzene	*	0.50		**ND**						04/19/2024
m,p-Xylene	*	1.00		**ND**						04/19/2024
Methyl methacrylate	*	0.50		**ND**						04/19/2024
Methyl tert-butyl ether	*	0.50		**ND**						04/19/2024
Methylene chloride	*	1.00		**ND**						04/19/2024
Naphthalene	*	0.50		**ND**						04/19/2024
n-Butylbenzene	*	0.50		**ND**						04/19/2024
n-Heptane	*	0.50		**ND**						04/19/2024
n-Hexane	*	0.50		**ND**						04/19/2024
n-Propylbenzene	*	0.50		**ND**						04/19/2024
o-Cymene	*	0.50		**ND**						04/19/2024
o-Xylene	*	0.50		**ND**						04/19/2024
p-Ethyltoluene	*	0.50		**ND**						04/19/2024
Propylene	*	0.50		**ND**						04/19/2024
sec-Butylbenzene	*	0.50		**ND**						04/19/2024
Styrene	*	0.50		**ND**						04/19/2024
tert-Amyl Methyl Ether	*	0.50		**ND**						04/19/2024
tert-Butyl alcohol	*	0.50		**ND**						04/19/2024
tert-Butylbenzene	*	0.50		**ND**						04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221753** **SampType:** **MBLK** Units **ppbv**

SampID: MBLK-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**ND**						04/19/2024
Tetrahydrofuran	*	0.50		**ND**						04/19/2024
Toluene	*	0.50		**ND**						04/19/2024
trans-1,2-Dichloroethene	*	0.50		**ND**						04/19/2024
trans-1,3-dichloropropene	*	0.50		**ND**						04/19/2024
Trichloroethene	*	0.50		**ND**						04/19/2024
Trichlorofluoromethane	*	0.50		**ND**						04/19/2024
Vinyl acetate	*	0.50		**ND**						04/19/2024
Vinyl bromide	*	0.50		**ND**						04/19/2024
Vinyl chloride	*	0.50		**ND**						04/19/2024
Surr: 4-Bromofluorobenzene	*			**8.54**	10.00		85.4	46.9	145	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221753 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.72**	10.00	0	97.2	9.568	1.55	04/19/2024
1,1,1-Trichloroethane	*	0.50		**10.5**	10.00	0	105.4	10.30	2.33	04/19/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.7**	10.00	0	106.6	10.38	2.63	04/19/2024
1,1,2-Trichloroethane	*	0.50		**10.3**	10.00	0	103.4	10.06	2.73	04/19/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**10.4**	10.00	0	103.6	10.04	3.20	04/19/2024
1,1-Dichloroethane	*	0.50		**10.2**	10.00	0	102.2	9.881	3.41	04/19/2024
1,1-Dichloroethene	*	0.50		**10.4**	10.00	0	103.8	11.09	6.56	04/19/2024
1,2,4-Trichlorobenzene	*	0.50		**9.71**	10.00	0	97.1	9.432	2.93	04/19/2024
1,2,4-Trimethylbenzene	*	0.50		**11.6**	10.00	0	116.2	11.33	2.58	04/19/2024
1,2-Dibromoethane	*	0.50		**10.7**	10.00	0	106.7	10.44	2.14	04/19/2024
1,2-Dichlorobenzene	*	0.50		**11.1**	10.00	0	110.9	10.76	3.01	04/19/2024
1,2-Dichloroethane	*	0.50		**10.6**	10.00	0	105.8	10.25	3.20	04/19/2024
1,2-Dichloropropane	*	0.50		**10.5**	10.00	0	104.8	10.29	1.76	04/19/2024
1,3,5-Trimethylbenzene	*	0.50		**11.6**	10.00	0	115.9	11.26	2.82	04/19/2024
1,3-Butadiene	*	1.00		**9.52**	10.00	0	95.2	9.335	1.99	04/19/2024
1,3-Dichlorobenzene	*	0.50		**10.9**	10.00	0	108.7	10.66	1.97	04/19/2024
1,4-Dichlorobenzene	*	0.50		**10.8**	10.00	0	108.4	10.60	2.22	04/19/2024
1,4-Dioxane	*	0.50		**10.9**	10.00	0	108.9	10.61	2.57	04/19/2024
2-Butanone	*	1.00		**10.4**	10.00	0	103.6	10.05	3.07	04/19/2024
2-Chlorotoluene	*	0.50		**10.6**	10.00	0	106.3	10.31	3.13	04/19/2024
2-Hexanone	*	0.50		**10.7**	10.00	0	106.8	10.49	1.80	04/19/2024
4-Methyl-2-pentanone	*	0.50		**11.4**	10.00	0	113.6	11.20	1.38	04/19/2024
Acetone	*	2.00		**9.56**	10.00	0	95.6	9.320	2.58	04/19/2024
Acetonitrile	*	0.50		**9.95**	10.00	0	99.5	9.655	2.99	04/19/2024
Acrolein	*	0.50		**9.63**	10.00	0	96.3	9.386	2.53	04/19/2024
Acrylonitrile	*	0.50		**10.4**	10.00	0	104.3	10.20	2.21	04/19/2024
Allyl chloride	*	1.00		**10.2**	10.00	0	101.7	9.771	4.04	04/19/2024
Benzene	*	0.50		**10.4**	10.00	0	103.6	10.01	3.48	04/19/2024
Benzyl chloride	*	0.50		**10.2**	10.00	0	101.9	9.934	2.54	04/19/2024
Bromodichloromethane	*	0.50		**9.92**	10.00	0	99.2	9.657	2.66	04/19/2024
Bromoform	*	0.50		**11.0**	10.00	0	109.7	10.75	2.01	04/19/2024
Bromomethane	*	0.50		**10.1**	10.00	0	100.6	10.71	6.22	04/19/2024
Carbon disulfide	*	0.50		**9.88**	10.00	0	98.8	9.498	3.97	04/19/2024
Carbon tetrachloride	*	0.50		**10.9**	10.00	0	109.5	10.72	2.08	04/19/2024
Chlorobenzene	*	0.50		**10.9**	10.00	0	109.2	10.59	3.07	04/19/2024
Chloroethane	*	0.50		**10.1**	10.00	0	101.2	9.928	1.87	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221753 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloroform	*	0.50		**10.3**	10.00	0	103.1	9.969	3.35	04/19/2024
Chloromethane	*	0.50		**9.57**	10.00	0	95.7	9.406	1.68	04/19/2024
Chloroprene	*	0.50		**11.7**	10.00	0	116.6	11.32	2.91	04/19/2024
cis-1,2-Dichloroethene	*	0.50		**10.6**	10.00	0	105.7	10.30	2.59	04/19/2024
cis-1,3-dichloropropene	*	0.50		**11.4**	10.00	0	114.3	11.14	2.65	04/19/2024
Cyclohexane	*	0.50		**10.9**	10.00	0	109.1	10.69	2.07	04/19/2024
Dibromochloromethane	*	0.50		**10.3**	10.00	0	103.1	10.07	2.32	04/19/2024
Dichlorodifluoromethane	*	0.50		**9.90**	10.00	0	99.0	9.746	1.52	04/19/2024
Dichlorotetrafluoroethane	*	0.50		**9.86**	10.00	0	98.6	9.652	2.09	04/19/2024
Ethanol	*	5.00		**11.1**	10.00	0	111.5	10.95	1.73	04/19/2024
Ethyl acetate	*	1.00		**10.3**	10.00	0	102.8	9.941	3.35	04/19/2024
Ethylbenzene	*	0.50		**11.9**	10.00	0	119.1	11.59	2.75	04/19/2024
Ethyl-tert-butyl ether	*	0.50		**11.0**	10.00	0	110.2	10.59	3.97	04/19/2024
Hexachlorobutadiene	*	0.50		**9.88**	10.00	0	98.8	9.632	2.56	04/19/2024
Isooctane	*	0.50		**10.1**	10.00	0	100.9	9.864	2.27	04/19/2024
Isopropanol	*	3.00		**9.37**	10.00	0	93.7	8.985	4.19	04/19/2024
Isopropyl ether	*	0.50		**10.3**	10.00	0	103.0	9.945	3.47	04/19/2024
Isopropylbenzene	*	0.50		**9.99**	10.00	0	99.9	9.722	2.67	04/19/2024
m,p-Xylene	*	1.00		**23.5**	20.00	0	117.6	22.80	3.16	04/19/2024
Methyl methacrylate	*	0.50		**11.8**	10.00	0	117.9	11.42	3.18	04/19/2024
Methyl tert-butyl ether	*	0.50		**11.1**	10.00	0	110.6	10.56	4.63	04/19/2024
Methylene chloride	*	1.00		**9.96**	10.00	0	99.6	9.673	2.95	04/19/2024
Naphthalene	*	0.50		**9.45**	10.00	0	94.5	9.131	3.47	04/19/2024
n-Butylbenzene	*	0.50		**11.2**	10.00	0	111.5	10.91	2.20	04/19/2024
n-Heptane	*	0.50		**11.2**	10.00	0	111.9	10.89	2.76	04/19/2024
n-Hexane	*	0.50		**10.5**	10.00	0	105.2	10.14	3.72	04/19/2024
n-Propylbenzene	*	0.50		**10.6**	10.00	0	106.4	10.35	2.72	04/19/2024
o-Cymene	*	0.50		**11.6**	10.00	0	115.6	11.36	1.79	04/19/2024
o-Xylene	*	0.50		**12.0**	10.00	0	119.9	11.74	2.16	04/19/2024
p-Ethyltoluene	*	0.50		**11.1**	10.00	0	111.4	10.89	2.25	04/19/2024
Propylene	*	0.50		**9.46**	10.00	0	94.6	9.308	1.58	04/19/2024
sec-Butylbenzene	*	0.50		**11.3**	10.00	0	112.9	10.97	2.83	04/19/2024
Styrene	*	0.50		**11.6**	10.00	0	116.0	11.33	2.34	04/19/2024
tert-Amyl Methyl Ether	*	0.50		**11.6**	10.00	0	115.5	11.30	2.24	04/19/2024
tert-Butyl alcohol	*	0.50	S	**14.1**	10.00	0	141.5	13.53	4.48	04/19/2024
tert-Butylbenzene	*	0.50		**11.5**	10.00	0	115.2	11.29	2.06	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221753** **SampType:** **LCSD** Units **ppbv** RPD Limit **30**

SampID: LCSD-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Tetrachloroethene	*	0.50		**10.8**	10.00	0	108.3	10.61	2.07	04/19/2024
Tetrahydrofuran	*	0.50		**10.8**	10.00	0	107.7	10.40	3.49	04/19/2024
Toluene	*	0.50		**11.0**	10.00	0	110.2	10.77	2.27	04/19/2024
trans-1,2-Dichloroethene	*	0.50		**10.3**	10.00	0	103.3	9.866	4.62	04/19/2024
trans-1,3-dichloropropene	*	0.50		**11.8**	10.00	0	118.1	11.41	3.49	04/19/2024
Trichloroethene	*	0.50		**11.0**	10.00	0	110.1	10.70	2.88	04/19/2024
Trichlorofluoromethane	*	0.50		**10.4**	10.00	0	104.1	10.07	3.26	04/19/2024
Vinyl acetate	*	0.50		**8.75**	10.00	0	87.5	8.465	3.28	04/19/2024
Vinyl bromide	*	0.50		**10.2**	10.00	0	102.2	9.894	3.21	04/19/2024
Vinyl chloride	*	0.50		**10.1**	10.00	0	101.1	9.853	2.58	04/19/2024
Surr: 4-Bromofluorobenzene	*			**10.0**	10.00		100.4			04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221753 **SampType:** LCS Units **ppbv**

SampID: LCS-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.57**	10.00	0	95.7	70	130	04/19/2024
1,1,1-Trichloroethane	*	0.50		**10.3**	10.00	0	103.0	70	130	04/19/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.4**	10.00	0	103.8	64.9	130	04/19/2024
1,1,2-Trichloroethane	*	0.50		**10.1**	10.00	0	100.6	70	130	04/19/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**10.0**	10.00	0	100.4	70	130	04/19/2024
1,1-Dichloroethane	*	0.50		**9.88**	10.00	0	98.8	70	130	04/19/2024
1,1-Dichloroethene	*	0.50		**11.1**	10.00	0	110.9	70	130	04/19/2024
1,2,4-Trichlorobenzene	*	0.50		**9.43**	10.00	0	94.3	66.9	130	04/19/2024
1,2,4-Trimethylbenzene	*	0.50		**11.3**	10.00	0	113.3	70	130	04/19/2024
1,2-Dibromoethane	*	0.50		**10.4**	10.00	0	104.4	70	130	04/19/2024
1,2-Dichlorobenzene	*	0.50		**10.8**	10.00	0	107.6	70	130	04/19/2024
1,2-Dichloroethane	*	0.50		**10.3**	10.00	0	102.5	64.4	130	04/19/2024
1,2-Dichloropropane	*	0.50		**10.3**	10.00	0	102.9	70	130	04/19/2024
1,3,5-Trimethylbenzene	*	0.50		**11.3**	10.00	0	112.6	70	130	04/19/2024
1,3-Butadiene	*	1.00		**9.33**	10.00	0	93.3	70	130	04/19/2024
1,3-Dichlorobenzene	*	0.50		**10.7**	10.00	0	106.6	70	130	04/19/2024
1,4-Dichlorobenzene	*	0.50		**10.6**	10.00	0	106.0	70	130	04/19/2024
1,4-Dioxane	*	0.50		**10.6**	10.00	0	106.1	67.9	134	04/19/2024
2-Butanone	*	1.00		**10.0**	10.00	0	100.5	70	130	04/19/2024
2-Chlorotoluene	*	0.50		**10.3**	10.00	0	103.1	70	130	04/19/2024
2-Hexanone	*	0.50		**10.5**	10.00	0	104.9	70	135	04/19/2024
4-Methyl-2-pentanone	*	0.50		**11.2**	10.00	0	112.0	70	130	04/19/2024
Acetone	*	2.00		**9.32**	10.00	0	93.2	70	130	04/19/2024
Acetonitrile	*	0.50		**9.65**	10.00	0	96.5	70	130	04/19/2024
Acrolein	*	0.50		**9.39**	10.00	0	93.9	70	130	04/19/2024
Acrylonitrile	*	0.50		**10.2**	10.00	0	102.0	70	130	04/19/2024
Allyl chloride	*	1.00		**9.77**	10.00	0	97.7	70	130	04/19/2024
Benzene	*	0.50		**10.0**	10.00	0	100.1	70	130	04/19/2024
Benzyl chloride	*	0.50		**9.93**	10.00	0	99.3	70	136	04/19/2024
Bromodichloromethane	*	0.50		**9.66**	10.00	0	96.6	70	130	04/19/2024
Bromoform	*	0.50		**10.7**	10.00	0	107.5	70	130	04/19/2024
Bromomethane	*	0.50		**10.7**	10.00	0	107.1	70	130	04/19/2024
Carbon disulfide	*	0.50		**9.50**	10.00	0	95.0	70	130	04/19/2024
Carbon tetrachloride	*	0.50		**10.7**	10.00	0	107.2	70	130	04/19/2024
Chlorobenzene	*	0.50		**10.6**	10.00	0	105.9	70	130	04/19/2024
Chloroethane	*	0.50		**9.93**	10.00	0	99.3	70	130	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221753 **SampType:** LCS Units **ppbv**

SampID: LCS-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**9.97**	10.00	0	99.7	70	130	04/19/2024
Chloromethane	*	0.50		**9.41**	10.00	0	94.1	70	130	04/19/2024
Chloroprene	*	0.50		**11.3**	10.00	0	113.2	70	130	04/19/2024
cis-1,2-Dichloroethene	*	0.50		**10.3**	10.00	0	103.0	70	130	04/19/2024
cis-1,3-dichloropropene	*	0.50		**11.1**	10.00	0	111.4	70	130	04/19/2024
Cyclohexane	*	0.50		**10.7**	10.00	0	106.9	70	130	04/19/2024
Dibromochloromethane	*	0.50		**10.1**	10.00	0	100.7	70	130	04/19/2024
Dichlorodifluoromethane	*	0.50		**9.75**	10.00	0	97.5	64	131	04/19/2024
Dichlorotetrafluoroethane	*	0.50		**9.65**	10.00	0	96.5	63	130	04/19/2024
Ethanol	*	5.00		**11.0**	10.00	0	109.5	64.2	130	04/19/2024
Ethyl acetate	*	1.00		**9.94**	10.00	0	99.4	70	130	04/19/2024
Ethylbenzene	*	0.50		**11.6**	10.00	0	115.9	70	130	04/19/2024
Ethyl-tert-butyl ether	*	0.50		**10.6**	10.00	0	105.9	67.9	133	04/19/2024
Hexachlorobutadiene	*	0.50		**9.63**	10.00	0	96.3	66.4	130	04/19/2024
Isooctane	*	0.50		**9.86**	10.00	0	98.6	70	130	04/19/2024
Isopropanol	*	3.00		**8.99**	10.00	0	89.9	60.4	130	04/19/2024
Isopropyl ether	*	0.50		**9.95**	10.00	0	99.5	70	130	04/19/2024
Isopropylbenzene	*	0.50		**9.72**	10.00	0	97.2	70	130	04/19/2024
m,p-Xylene	*	1.00		**22.8**	20.00	0	114.0	70	130	04/19/2024
Methyl methacrylate	*	0.50		**11.4**	10.00	0	114.2	70	130	04/19/2024
Methyl tert-butyl ether	*	0.50		**10.6**	10.00	0	105.6	70	130	04/19/2024
Methylene chloride	*	1.00		**9.67**	10.00	0	96.7	70	130	04/19/2024
Naphthalene	*	0.50		**9.13**	10.00	0	91.3	50.6	135	04/19/2024
n-Butylbenzene	*	0.50		**10.9**	10.00	0	109.1	66.4	135	04/19/2024
n-Heptane	*	0.50		**10.9**	10.00	0	108.9	70	130	04/19/2024
n-Hexane	*	0.50		**10.1**	10.00	0	101.4	70	130	04/19/2024
n-Propylbenzene	*	0.50		**10.4**	10.00	0	103.5	70	130	04/19/2024
o-Cymene	*	0.50		**11.4**	10.00	0	113.6	70	130	04/19/2024
o-Xylene	*	0.50		**11.7**	10.00	0	117.4	70	130	04/19/2024
p-Ethyltoluene	*	0.50		**10.9**	10.00	0	108.9	70	130	04/19/2024
Propylene	*	0.50		**9.31**	10.00	0	93.1	58.4	140	04/19/2024
sec-Butylbenzene	*	0.50		**11.0**	10.00	0	109.7	66	137	04/19/2024
Styrene	*	0.50		**11.3**	10.00	0	113.3	70	130	04/19/2024
tert-Amyl Methyl Ether	*	0.50		**11.3**	10.00	0	113.0	70	132	04/19/2024
tert-Butyl alcohol	*	0.50		**13.5**	10.00	0	135.3	70	139	04/19/2024
tert-Butylbenzene	*	0.50		**11.3**	10.00	0	112.9	70	130	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221753** **SampType:** **LCS** Units **ppbv**

SampID: LCS-U240419-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**10.6**	10.00	0	106.1	70	130	04/19/2024
Tetrahydrofuran	*	0.50		**10.4**	10.00	0	104.0	70	130	04/19/2024
Toluene	*	0.50		**10.8**	10.00	0	107.7	70	130	04/19/2024
trans-1,2-Dichloroethene	*	0.50		**9.87**	10.00	0	98.7	70	130	04/19/2024
trans-1,3-dichloropropene	*	0.50		**11.4**	10.00	0	114.1	70	130	04/19/2024
Trichloroethene	*	0.50		**10.7**	10.00	0	107.0	70	130	04/19/2024
Trichlorofluoromethane	*	0.50		**10.1**	10.00	0	100.7	66.6	130	04/19/2024
Vinyl acetate	*	0.50		**8.47**	10.00	0	84.7	57.6	130	04/19/2024
Vinyl bromide	*	0.50		**9.89**	10.00	0	98.9	70	130	04/19/2024
Vinyl chloride	*	0.50		**9.85**	10.00	0	98.5	57.4	141	04/19/2024
Surr: 4-Bromofluorobenzene	*			**9.92**	10.00		99.2	70	130	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221844 **SampType:** MBLK Units **ppbv**

SampID: MBLK-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**ND**						04/22/2024
1,1,1-Trichloroethane	*	0.50		**ND**						04/22/2024
1,1,2,2-Tetrachloroethane	*	0.50		**ND**						04/22/2024
1,1,2-Trichloroethane	*	0.50		**ND**						04/22/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**ND**						04/22/2024
1,1-Dichloroethane	*	0.50		**ND**						04/22/2024
1,1-Dichloroethene	*	0.50		**ND**						04/22/2024
1,2,4-Trichlorobenzene	*	0.50		**ND**						04/22/2024
1,2,4-Trimethylbenzene	*	0.50		**ND**						04/22/2024
1,2-Dibromoethane	*	0.50		**ND**						04/22/2024
1,2-Dichlorobenzene	*	0.50		**ND**						04/22/2024
1,2-Dichloroethane	*	0.50		**ND**						04/22/2024
1,2-Dichloropropane	*	0.50		**ND**						04/22/2024
1,3,5-Trimethylbenzene	*	0.50		**ND**						04/22/2024
1,3-Butadiene	*	1.00		**ND**						04/22/2024
1,3-Dichlorobenzene	*	0.50		**ND**						04/22/2024
1,4-Dichlorobenzene	*	0.50		**ND**						04/22/2024
1,4-Dioxane	*	0.50		**ND**						04/22/2024
2-Butanone	*	1.00		**ND**						04/22/2024
2-Chlorotoluene	*	0.50		**ND**						04/22/2024
2-Hexanone	*	0.50		**ND**						04/22/2024
4-Methyl-2-pentanone	*	0.50		**ND**						04/22/2024
Acetone	*	2.00		**ND**						04/22/2024
Acetonitrile	*	0.50		**ND**						04/22/2024
Acrolein	*	0.50		**ND**						04/22/2024
Acrylonitrile	*	0.50		**ND**						04/22/2024
Allyl chloride	*	1.00		**ND**						04/22/2024
Benzene	*	0.50		**ND**						04/22/2024
Benzyl chloride	*	0.50		**ND**						04/22/2024
Bromodichloromethane	*	0.50		**ND**						04/22/2024
Bromoform	*	0.50		**ND**						04/22/2024
Bromomethane	*	0.50		**ND**						04/22/2024
Carbon disulfide	*	0.50		**ND**						04/22/2024
Carbon tetrachloride	*	0.50		**ND**						04/22/2024
Chlorobenzene	*	0.50		**ND**						04/22/2024
Chloroethane	*	0.50		**ND**						04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221844 **SampType:** MBLK Units **ppbv**

SampID: MBLK-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**ND**						04/22/2024
Chloromethane	*	0.50		**ND**						04/22/2024
Chloroprene	*	0.50		**ND**						04/22/2024
cis-1,2-Dichloroethene	*	0.50		**ND**						04/22/2024
cis-1,3-dichloropropene	*	0.50		**ND**						04/22/2024
Cyclohexane	*	0.50		**ND**						04/22/2024
Dibromochloromethane	*	0.50		**ND**						04/22/2024
Dichlorodifluoromethane	*	0.50		**ND**						04/22/2024
Dichlorotetrafluoroethane	*	0.50		**ND**						04/22/2024
Ethanol	*	5.00		**ND**						04/22/2024
Ethyl acetate	*	1.00		**ND**						04/22/2024
Ethylbenzene	*	0.50		**ND**						04/22/2024
Ethyl-tert-butyl ether	*	0.50		**ND**						04/22/2024
Hexachlorobutadiene	*	0.50		**ND**						04/22/2024
Isooctane	*	0.50		**ND**						04/22/2024
Isopropanol	*	3.00	J	**0.56**						04/22/2024
Isopropyl ether	*	0.50		**ND**						04/22/2024
Isopropylbenzene	*	0.50		**ND**						04/22/2024
m,p-Xylene	*	1.00		**ND**						04/22/2024
Methyl methacrylate	*	0.50		**ND**						04/22/2024
Methyl tert-butyl ether	*	0.50		**ND**						04/22/2024
Methylene chloride	*	1.00		**ND**						04/22/2024
Naphthalene	*	0.50		**ND**						04/22/2024
n-Butylbenzene	*	0.50		**ND**						04/22/2024
n-Heptane	*	0.50		**ND**						04/22/2024
n-Hexane	*	0.50		**ND**						04/22/2024
n-Propylbenzene	*	0.50		**ND**						04/22/2024
o-Cymene	*	0.50		**ND**						04/22/2024
o-Xylene	*	0.50		**ND**						04/22/2024
p-Ethyltoluene	*	0.50		**ND**						04/22/2024
Propylene	*	0.50		**ND**						04/22/2024
sec-Butylbenzene	*	0.50		**ND**						04/22/2024
Styrene	*	0.50		**ND**						04/22/2024
tert-Amyl Methyl Ether	*	0.50		**ND**						04/22/2024
tert-Butyl alcohol	*	0.50		**ND**						04/22/2024
tert-Butylbenzene	*	0.50		**ND**						04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221844** **SampType:** **MBLK** Units **ppbv**

SampID: MBLK-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**ND**						04/22/2024
Tetrahydrofuran	*	0.50		**ND**						04/22/2024
Toluene	*	0.50		**ND**						04/22/2024
trans-1,2-Dichloroethene	*	0.50		**ND**						04/22/2024
trans-1,3-dichloropropene	*	0.50		**ND**						04/22/2024
Trichloroethene	*	0.50		**ND**						04/22/2024
Trichlorofluoromethane	*	0.50		**ND**						04/22/2024
Vinyl acetate	*	0.50		**ND**						04/22/2024
Vinyl bromide	*	0.50		**ND**						04/22/2024
Vinyl chloride	*	0.50		**ND**						04/22/2024
Surr: 4-Bromofluorobenzene	*			**8.42**	10.00		84.2	46.9	145	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221844 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.81**	10.00	0	98.1	9.868	0.54	04/22/2024
1,1,1-Trichloroethane	*	0.50		**10.8**	10.00	0	107.8	10.75	0.32	04/22/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.7**	10.00	0	107.4	10.74	0.00	04/22/2024
1,1,2-Trichloroethane	*	0.50		**10.5**	10.00	0	104.5	10.47	0.12	04/22/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**10.6**	10.00	0	106.0	10.43	1.59	04/22/2024
1,1-Dichloroethane	*	0.50		**10.4**	10.00	0	104.1	10.28	1.28	04/22/2024
1,1-Dichloroethene	*	0.50		**10.5**	10.00	0	105.4	10.41	1.25	04/22/2024
1,2,4-Trichlorobenzene	*	0.50		**9.80**	10.00	0	98.0	9.782	0.16	04/22/2024
1,2,4-Trimethylbenzene	*	0.50		**11.7**	10.00	0	117.2	11.76	0.35	04/22/2024
1,2-Dibromoethane	*	0.50		**10.9**	10.00	0	108.8	10.68	1.82	04/22/2024
1,2-Dichlorobenzene	*	0.50		**11.3**	10.00	0	113.3	11.21	1.07	04/22/2024
1,2-Dichloroethane	*	0.50		**10.7**	10.00	0	107.1	10.64	0.69	04/22/2024
1,2-Dichloropropane	*	0.50		**10.7**	10.00	0	106.9	10.58	0.96	04/22/2024
1,3,5-Trimethylbenzene	*	0.50		**11.8**	10.00	0	118.4	11.77	0.54	04/22/2024
1,3-Butadiene	*	1.00		**9.71**	10.00	0	97.1	9.654	0.58	04/22/2024
1,3-Dichlorobenzene	*	0.50		**11.1**	10.00	0	110.8	11.02	0.53	04/22/2024
1,4-Dichlorobenzene	*	0.50		**11.0**	10.00	0	109.7	11.06	0.81	04/22/2024
1,4-Dioxane	*	0.50		**11.1**	10.00	0	111.2	10.94	1.64	04/22/2024
2-Butanone	*	1.00		**10.4**	10.00	0	104.4	10.41	0.29	04/22/2024
2-Chlorotoluene	*	0.50		**10.7**	10.00	0	106.6	10.62	0.40	04/22/2024
2-Hexanone	*	0.50		**10.8**	10.00	0	108.5	10.71	1.28	04/22/2024
4-Methyl-2-pentanone	*	0.50		**11.5**	10.00	0	115.2	11.41	0.98	04/22/2024
Acetone	*	2.00		**9.69**	10.00	0	96.9	9.536	1.56	04/22/2024
Acetonitrile	*	0.50		**10.1**	10.00	0	101.4	10.10	0.38	04/22/2024
Acrolein	*	0.50		**9.83**	10.00	0	98.3	9.637	2.02	04/22/2024
Acrylonitrile	*	0.50		**10.7**	10.00	0	107.3	10.49	2.28	04/22/2024
Allyl chloride	*	1.00		**10.3**	10.00	0	102.5	10.15	0.95	04/22/2024
Benzene	*	0.50		**10.4**	10.00	0	104.4	10.34	0.98	04/22/2024
Benzyl chloride	*	0.50		**10.4**	10.00	0	104.0	10.28	1.23	04/22/2024
Bromodichloromethane	*	0.50		**10.1**	10.00	0	101.0	10.05	0.42	04/22/2024
Bromoform	*	0.50		**11.3**	10.00	0	113.0	11.23	0.59	04/22/2024
Bromomethane	*	0.50		**11.3**	10.00	0	113.1	11.13	1.58	04/22/2024
Carbon disulfide	*	0.50		**10.0**	10.00	0	100.2	9.920	1.02	04/22/2024
Carbon tetrachloride	*	0.50		**11.2**	10.00	0	112.2	11.08	1.25	04/22/2024
Chlorobenzene	*	0.50		**11.0**	10.00	0	110.0	10.94	0.58	04/22/2024
Chloroethane	*	0.50		**10.3**	10.00	0	103.5	10.12	2.21	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221844 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloroform	*	0.50		**10.5**	10.00	0	104.7	10.41	0.52	04/22/2024
Chloromethane	*	0.50		**9.78**	10.00	0	97.8	9.762	0.19	04/22/2024
Chloroprene	*	0.50		**11.7**	10.00	0	117.2	11.52	1.72	04/22/2024
cis-1,2-Dichloroethene	*	0.50		**10.7**	10.00	0	107.3	10.54	1.77	04/22/2024
cis-1,3-dichloropropene	*	0.50		**11.6**	10.00	0	115.7	11.37	1.77	04/22/2024
Cyclohexane	*	0.50		**11.1**	10.00	0	111.0	10.87	2.05	04/22/2024
Dibromochloromethane	*	0.50		**10.5**	10.00	0	104.7	10.40	0.67	04/22/2024
Dichlorodifluoromethane	*	0.50		**10.2**	10.00	0	102.2	10.14	0.70	04/22/2024
Dichlorotetrafluoroethane	*	0.50		**10.1**	10.00	0	100.6	10.07	0.13	04/22/2024
Ethanol	*	5.00		**11.2**	10.00	0	112.2	11.45	2.00	04/22/2024
Ethyl acetate	*	1.00		**10.5**	10.00	0	105.3	10.35	1.69	04/22/2024
Ethylbenzene	*	0.50		**12.0**	10.00	0	119.9	11.87	0.99	04/22/2024
Ethyl-tert-butyl ether	*	0.50		**11.1**	10.00	0	111.2	10.94	1.57	04/22/2024
Hexachlorobutadiene	*	0.50		**10.1**	10.00	0	101.0	10.09	0.11	04/22/2024
Isooctane	*	0.50		**10.2**	10.00	0	102.4	10.12	1.14	04/22/2024
Isopropanol	*	3.00	B	**9.65**	10.00	0	96.5	9.654	0.05	04/22/2024
Isopropyl ether	*	0.50		**10.4**	10.00	0	103.5	10.27	0.78	04/22/2024
Isopropylbenzene	*	0.50		**10.1**	10.00	0	101.5	10.08	0.69	04/22/2024
m,p-Xylene	*	1.00		**23.8**	20.00	0	119.1	23.71	0.42	04/22/2024
Methyl methacrylate	*	0.50		**11.9**	10.00	0	118.6	11.65	1.74	04/22/2024
Methyl tert-butyl ether	*	0.50		**11.2**	10.00	0	111.8	10.89	2.65	04/22/2024
Methylene chloride	*	1.00		**10.2**	10.00	0	101.9	10.08	1.10	04/22/2024
Naphthalene	*	0.50		**9.52**	10.00	0	95.2	9.384	1.40	04/22/2024
n-Butylbenzene	*	0.50		**11.2**	10.00	0	112.2	11.29	0.63	04/22/2024
n-Heptane	*	0.50		**11.3**	10.00	0	113.3	11.33	0.01	04/22/2024
n-Hexane	*	0.50		**10.5**	10.00	0	105.4	10.49	0.43	04/22/2024
n-Propylbenzene	*	0.50		**10.7**	10.00	0	107.4	10.74	0.01	04/22/2024
o-Cymene	*	0.50		**11.8**	10.00	0	117.7	11.73	0.30	04/22/2024
o-Xylene	*	0.50		**12.3**	10.00	0	122.7	12.16	0.86	04/22/2024
p-Ethyltoluene	*	0.50		**11.2**	10.00	0	112.3	11.26	0.29	04/22/2024
Propylene	*	0.50		**9.64**	10.00	0	96.4	9.614	0.32	04/22/2024
sec-Butylbenzene	*	0.50		**11.4**	10.00	0	114.4	11.46	0.21	04/22/2024
Styrene	*	0.50		**11.7**	10.00	0	117.3	11.63	0.87	04/22/2024
tert-Amyl Methyl Ether	*	0.50		**11.9**	10.00	0	118.6	11.50	3.09	04/22/2024
tert-Butyl alcohol	*	0.50	S	**14.3**	10.00	0	143.1	13.93	2.65	04/22/2024
tert-Butylbenzene	*	0.50		**11.7**	10.00	0	116.7	11.68	0.06	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221844** **SampType:** **LCSD** Units **ppbv** RPD Limit **30**

SampID: LCSD-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Tetrachloroethene	*	0.50		**11.1**	10.00	0	111.2	10.86	2.33	04/22/2024
Tetrahydrofuran	*	0.50		**10.8**	10.00	0	107.8	10.76	0.18	04/22/2024
Toluene	*	0.50		**11.2**	10.00	0	111.6	11.03	1.14	04/22/2024
trans-1,2-Dichloroethene	*	0.50		**10.4**	10.00	0	103.7	10.17	1.88	04/22/2024
trans-1,3-dichloropropene	*	0.50		**11.8**	10.00	0	118.5	11.82	0.26	04/22/2024
Trichloroethene	*	0.50		**11.2**	10.00	0	112.1	11.18	0.30	04/22/2024
Trichlorofluoromethane	*	0.50		**10.6**	10.00	0	106.2	10.50	1.17	04/22/2024
Vinyl acetate	*	0.50		**8.93**	10.00	0	89.3	8.844	0.92	04/22/2024
Vinyl bromide	*	0.50		**10.5**	10.00	0	104.6	10.20	2.60	04/22/2024
Vinyl chloride	*	0.50		**10.2**	10.00	0	102.5	10.14	1.11	04/22/2024
Surr: 4-Bromofluorobenzene	*			**9.81**	10.00		98.1			04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221844 **SampType:** LCS Units **ppbv**

SampID: LCS-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.87**	10.00	0	98.7	70	130	04/22/2024
1,1,1-Trichloroethane	*	0.50		**10.7**	10.00	0	107.5	70	130	04/22/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.7**	10.00	0	107.4	64.9	130	04/22/2024
1,1,2-Trichloroethane	*	0.50		**10.5**	10.00	0	104.7	70	130	04/22/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**10.4**	10.00	0	104.3	70	130	04/22/2024
1,1-Dichloroethane	*	0.50		**10.3**	10.00	0	102.8	70	130	04/22/2024
1,1-Dichloroethene	*	0.50		**10.4**	10.00	0	104.1	70	130	04/22/2024
1,2,4-Trichlorobenzene	*	0.50		**9.78**	10.00	0	97.8	66.9	130	04/22/2024
1,2,4-Trimethylbenzene	*	0.50		**11.8**	10.00	0	117.6	70	130	04/22/2024
1,2-Dibromoethane	*	0.50		**10.7**	10.00	0	106.8	70	130	04/22/2024
1,2-Dichlorobenzene	*	0.50		**11.2**	10.00	0	112.1	70	130	04/22/2024
1,2-Dichloroethane	*	0.50		**10.6**	10.00	0	106.4	64.4	130	04/22/2024
1,2-Dichloropropane	*	0.50		**10.6**	10.00	0	105.8	70	130	04/22/2024
1,3,5-Trimethylbenzene	*	0.50		**11.8**	10.00	0	117.7	70	130	04/22/2024
1,3-Butadiene	*	1.00		**9.65**	10.00	0	96.5	70	130	04/22/2024
1,3-Dichlorobenzene	*	0.50		**11.0**	10.00	0	110.2	70	130	04/22/2024
1,4-Dichlorobenzene	*	0.50		**11.1**	10.00	0	110.6	70	130	04/22/2024
1,4-Dioxane	*	0.50		**10.9**	10.00	0	109.4	67.9	134	04/22/2024
2-Butanone	*	1.00		**10.4**	10.00	0	104.1	70	130	04/22/2024
2-Chlorotoluene	*	0.50		**10.6**	10.00	0	106.2	70	130	04/22/2024
2-Hexanone	*	0.50		**10.7**	10.00	0	107.1	70	135	04/22/2024
4-Methyl-2-pentanone	*	0.50		**11.4**	10.00	0	114.1	70	130	04/22/2024
Acetone	*	2.00		**9.54**	10.00	0	95.4	70	130	04/22/2024
Acetonitrile	*	0.50		**10.1**	10.00	0	101.0	70	130	04/22/2024
Acrolein	*	0.50		**9.64**	10.00	0	96.4	70	130	04/22/2024
Acrylonitrile	*	0.50		**10.5**	10.00	0	104.9	70	130	04/22/2024
Allyl chloride	*	1.00		**10.2**	10.00	0	101.5	70	130	04/22/2024
Benzene	*	0.50		**10.3**	10.00	0	103.4	70	130	04/22/2024
Benzyl chloride	*	0.50		**10.3**	10.00	0	102.8	70	136	04/22/2024
Bromodichloromethane	*	0.50		**10.1**	10.00	0	100.5	70	130	04/22/2024
Bromoform	*	0.50		**11.2**	10.00	0	112.3	70	130	04/22/2024
Bromomethane	*	0.50		**11.1**	10.00	0	111.3	70	130	04/22/2024
Carbon disulfide	*	0.50		**9.92**	10.00	0	99.2	70	130	04/22/2024
Carbon tetrachloride	*	0.50		**11.1**	10.00	0	110.8	70	130	04/22/2024
Chlorobenzene	*	0.50		**10.9**	10.00	0	109.4	70	130	04/22/2024
Chloroethane	*	0.50		**10.1**	10.00	0	101.2	70	130	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221844 **SampType:** LCS Units **ppbv**

SampID: LCS-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**10.4**	10.00	0	104.1	70	130	04/22/2024
Chloromethane	*	0.50		**9.76**	10.00	0	97.6	70	130	04/22/2024
Chloroprene	*	0.50		**11.5**	10.00	0	115.2	70	130	04/22/2024
cis-1,2-Dichloroethene	*	0.50		**10.5**	10.00	0	105.4	70	130	04/22/2024
cis-1,3-dichloropropene	*	0.50		**11.4**	10.00	0	113.7	70	130	04/22/2024
Cyclohexane	*	0.50		**10.9**	10.00	0	108.7	70	130	04/22/2024
Dibromochloromethane	*	0.50		**10.4**	10.00	0	104.0	70	130	04/22/2024
Dichlorodifluoromethane	*	0.50		**10.1**	10.00	0	101.4	64	131	04/22/2024
Dichlorotetrafluoroethane	*	0.50		**10.1**	10.00	0	100.7	63	130	04/22/2024
Ethanol	*	5.00		**11.5**	10.00	0	114.5	64.2	130	04/22/2024
Ethyl acetate	*	1.00		**10.4**	10.00	0	103.5	70	130	04/22/2024
Ethylbenzene	*	0.50		**11.9**	10.00	0	118.7	70	130	04/22/2024
Ethyl-tert-butyl ether	*	0.50		**10.9**	10.00	0	109.4	67.9	133	04/22/2024
Hexachlorobutadiene	*	0.50		**10.1**	10.00	0	100.9	66.4	130	04/22/2024
Isooctane	*	0.50		**10.1**	10.00	0	101.2	70	130	04/22/2024
Isopropanol	*	3.00	B	**9.65**	10.00	0	96.5	60.4	130	04/22/2024
Isopropyl ether	*	0.50		**10.3**	10.00	0	102.7	70	130	04/22/2024
Isopropylbenzene	*	0.50		**10.1**	10.00	0	100.8	70	130	04/22/2024
m,p-Xylene	*	1.00		**23.7**	20.00	0	118.6	70	130	04/22/2024
Methyl methacrylate	*	0.50		**11.7**	10.00	0	116.5	70	130	04/22/2024
Methyl tert-butyl ether	*	0.50		**10.9**	10.00	0	108.9	70	130	04/22/2024
Methylene chloride	*	1.00		**10.1**	10.00	0	100.8	70	130	04/22/2024
Naphthalene	*	0.50		**9.38**	10.00	0	93.8	50.6	135	04/22/2024
n-Butylbenzene	*	0.50		**11.3**	10.00	0	112.9	66.4	135	04/22/2024
n-Heptane	*	0.50		**11.3**	10.00	0	113.3	70	130	04/22/2024
n-Hexane	*	0.50		**10.5**	10.00	0	104.9	70	130	04/22/2024
n-Propylbenzene	*	0.50		**10.7**	10.00	0	107.4	70	130	04/22/2024
o-Cymene	*	0.50		**11.7**	10.00	0	117.3	70	130	04/22/2024
o-Xylene	*	0.50		**12.2**	10.00	0	121.6	70	130	04/22/2024
p-Ethyltoluene	*	0.50		**11.3**	10.00	0	112.6	70	130	04/22/2024
Propylene	*	0.50		**9.61**	10.00	0	96.1	58.4	140	04/22/2024
sec-Butylbenzene	*	0.50		**11.5**	10.00	0	114.6	66	137	04/22/2024
Styrene	*	0.50		**11.6**	10.00	0	116.3	70	130	04/22/2024
tert-Amyl Methyl Ether	*	0.50		**11.5**	10.00	0	115.0	70	132	04/22/2024
tert-Butyl alcohol	*	0.50	S	**13.9**	10.00	0	139.3	70	139	04/22/2024
tert-Butylbenzene	*	0.50		**11.7**	10.00	0	116.8	70	130	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221844** **SampType:** **LCS** Units **ppbv**

SampID: LCS-U240422-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**10.9**	10.00	0	108.6	70	130	04/22/2024
Tetrahydrofuran	*	0.50		**10.8**	10.00	0	107.6	70	130	04/22/2024
Toluene	*	0.50		**11.0**	10.00	0	110.3	70	130	04/22/2024
trans-1,2-Dichloroethene	*	0.50		**10.2**	10.00	0	101.7	70	130	04/22/2024
trans-1,3-dichloropropene	*	0.50		**11.8**	10.00	0	118.2	70	130	04/22/2024
Trichloroethene	*	0.50		**11.2**	10.00	0	111.8	70	130	04/22/2024
Trichlorofluoromethane	*	0.50		**10.5**	10.00	0	105.0	66.6	130	04/22/2024
Vinyl acetate	*	0.50		**8.84**	10.00	0	88.4	57.6	130	04/22/2024
Vinyl bromide	*	0.50		**10.2**	10.00	0	102.0	70	130	04/22/2024
Vinyl chloride	*	0.50		**10.1**	10.00	0	101.4	57.4	141	04/22/2024
Surr: 4-Bromofluorobenzene	*			**9.87**	10.00		98.7	70	130	04/22/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221909 **SampType:** MBLK Units **ppbv**

SampID: MBLK-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**ND**						04/23/2024
1,1,1-Trichloroethane	*	0.50		**ND**						04/23/2024
1,1,2,2-Tetrachloroethane	*	0.50		**ND**						04/23/2024
1,1,2-Trichloroethane	*	0.50		**ND**						04/23/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**ND**						04/23/2024
1,1-Dichloroethane	*	0.50		**ND**						04/23/2024
1,1-Dichloroethene	*	0.50		**ND**						04/23/2024
1,2,4-Trichlorobenzene	*	0.50		**ND**						04/23/2024
1,2,4-Trimethylbenzene	*	0.50		**ND**						04/23/2024
1,2-Dibromoethane	*	0.50		**ND**						04/23/2024
1,2-Dichlorobenzene	*	0.50		**ND**						04/23/2024
1,2-Dichloroethane	*	0.50		**ND**						04/23/2024
1,2-Dichloropropane	*	0.50		**ND**						04/23/2024
1,3,5-Trimethylbenzene	*	0.50		**ND**						04/23/2024
1,3-Butadiene	*	1.00		**ND**						04/23/2024
1,3-Dichlorobenzene	*	0.50		**ND**						04/23/2024
1,4-Dichlorobenzene	*	0.50		**ND**						04/23/2024
1,4-Dioxane	*	0.50		**ND**						04/23/2024
2-Butanone	*	1.00		**ND**						04/23/2024
2-Chlorotoluene	*	0.50		**ND**						04/23/2024
2-Hexanone	*	0.50		**ND**						04/23/2024
4-Methyl-2-pentanone	*	0.50		**ND**						04/23/2024
Acetone	*	2.00		**ND**						04/23/2024
Acetonitrile	*	0.50		**ND**						04/23/2024
Acrolein	*	0.50		**ND**						04/23/2024
Acrylonitrile	*	0.50		**ND**						04/23/2024
Allyl chloride	*	1.00		**ND**						04/23/2024
Benzene	*	0.50		**ND**						04/23/2024
Benzyl chloride	*	0.50		**ND**						04/23/2024
Bromodichloromethane	*	0.50		**ND**						04/23/2024
Bromoform	*	0.50		**ND**						04/23/2024
Bromomethane	*	0.50		**ND**						04/23/2024
Carbon disulfide	*	0.50		**ND**						04/23/2024
Carbon tetrachloride	*	0.50		**ND**						04/23/2024
Chlorobenzene	*	0.50		**ND**						04/23/2024
Chloroethane	*	0.50		**ND**						04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221909 **SampType:** MBLK Units **ppbv**

SampID: MBLK-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**ND**						04/23/2024
Chloromethane	*	0.50		**ND**						04/23/2024
Chloroprene	*	0.50		**ND**						04/23/2024
cis-1,2-Dichloroethene	*	0.50		**ND**						04/23/2024
cis-1,3-dichloropropene	*	0.50		**ND**						04/23/2024
Cyclohexane	*	0.50		**ND**						04/23/2024
Dibromochloromethane	*	0.50		**ND**						04/23/2024
Dichlorodifluoromethane	*	0.50		**ND**						04/23/2024
Dichlorotetrafluoroethane	*	0.50		**ND**						04/23/2024
Ethanol	*	5.00		**ND**						04/23/2024
Ethyl acetate	*	1.00		**ND**						04/23/2024
Ethylbenzene	*	0.50		**ND**						04/23/2024
Ethyl-tert-butyl ether	*	0.50		**ND**						04/23/2024
Hexachlorobutadiene	*	0.50		**ND**						04/23/2024
Isooctane	*	0.50		**ND**						04/23/2024
Isopropanol	*	3.00		**ND**						04/23/2024
Isopropyl ether	*	0.50		**ND**						04/23/2024
Isopropylbenzene	*	0.50		**ND**						04/23/2024
m,p-Xylene	*	1.00		**ND**						04/23/2024
Methyl methacrylate	*	0.50		**ND**						04/23/2024
Methyl tert-butyl ether	*	0.50		**ND**						04/23/2024
Methylene chloride	*	1.00		**ND**						04/23/2024
Naphthalene	*	0.50		**ND**						04/23/2024
n-Butylbenzene	*	0.50		**ND**						04/23/2024
n-Heptane	*	0.50		**ND**						04/23/2024
n-Hexane	*	0.50		**ND**						04/23/2024
n-Propylbenzene	*	0.50		**ND**						04/23/2024
o-Cymene	*	0.50		**ND**						04/23/2024
o-Xylene	*	0.50		**ND**						04/23/2024
p-Ethyltoluene	*	0.50		**ND**						04/23/2024
Propylene	*	0.50		**ND**						04/23/2024
sec-Butylbenzene	*	0.50		**ND**						04/23/2024
Styrene	*	0.50		**ND**						04/23/2024
tert-Amyl Methyl Ether	*	0.50		**ND**						04/23/2024
tert-Butyl alcohol	*	0.50		**ND**						04/23/2024
tert-Butylbenzene	*	0.50		**ND**						04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221909** **SampType:** **MBLK** Units **ppbv**

SampID: MBLK-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**ND**						04/23/2024
Tetrahydrofuran	*	0.50		**ND**						04/23/2024
Toluene	*	0.50		**ND**						04/23/2024
trans-1,2-Dichloroethene	*	0.50		**ND**						04/23/2024
trans-1,3-dichloropropene	*	0.50		**ND**						04/23/2024
Trichloroethene	*	0.50		**ND**						04/23/2024
Trichlorofluoromethane	*	0.50		**ND**						04/23/2024
Vinyl acetate	*	0.50		**ND**						04/23/2024
Vinyl bromide	*	0.50		**ND**						04/23/2024
Vinyl chloride	*	0.50		**ND**						04/23/2024
Surr: 4-Bromofluorobenzene	*			**8.79**	10.00		87.9	46.9	145	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221909 **SampType:** LCS Units **ppbv**

SampID: LCS-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.61**	10.00	0	96.1	70	130	04/23/2024
1,1,1-Trichloroethane	*	0.50		**9.47**	10.00	0	94.7	70	130	04/23/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.3**	10.00	0	103.5	64.9	130	04/23/2024
1,1,2-Trichloroethane	*	0.50		**10.0**	10.00	0	100.0	70	130	04/23/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**9.86**	10.00	0	98.6	70	130	04/23/2024
1,1-Dichloroethane	*	0.50		**9.82**	10.00	0	98.2	70	130	04/23/2024
1,1-Dichloroethene	*	0.50		**11.6**	10.00	0	116.2	70	130	04/23/2024
1,2,4-Trichlorobenzene	*	0.50		**7.24**	10.00	0	72.4	66.9	130	04/23/2024
1,2,4-Trimethylbenzene	*	0.50		**9.22**	10.00	0	92.2	70	130	04/23/2024
1,2-Dibromoethane	*	0.50		**10.2**	10.00	0	101.9	70	130	04/23/2024
1,2-Dichlorobenzene	*	0.50		**9.13**	10.00	0	91.3	70	130	04/23/2024
1,2-Dichloroethane	*	0.50		**10.1**	10.00	0	101.1	64.4	130	04/23/2024
1,2-Dichloropropane	*	0.50		**10.6**	10.00	0	105.5	70	130	04/23/2024
1,3,5-Trimethylbenzene	*	0.50		**9.25**	10.00	0	92.5	70	130	04/23/2024
1,3-Butadiene	*	1.00		**8.89**	10.00	0	88.9	70	130	04/23/2024
1,3-Dichlorobenzene	*	0.50		**8.77**	10.00	0	87.7	70	130	04/23/2024
1,4-Dichlorobenzene	*	0.50		**8.60**	10.00	0	86.0	70	130	04/23/2024
1,4-Dioxane	*	0.50		**9.80**	10.00	0	98.0	67.9	134	04/23/2024
2-Butanone	*	1.00		**10.8**	10.00	0	107.8	70	130	04/23/2024
2-Chlorotoluene	*	0.50		**9.21**	10.00	0	92.1	70	130	04/23/2024
2-Hexanone	*	0.50		**10.6**	10.00	0	106.5	70	135	04/23/2024
4-Methyl-2-pentanone	*	0.50		**10.7**	10.00	0	107.0	70	130	04/23/2024
Acetone	*	2.00		**12.0**	10.00	0	120.0	65.4	130	04/23/2024
Acetonitrile	*	0.50		**12.9**	10.00	0	128.5	63.1	134	04/23/2024
Acrolein	*	0.50		**11.5**	10.00	0	115.1	70	130	04/23/2024
Acrylonitrile	*	0.50		**11.3**	10.00	0	113.3	70	130	04/23/2024
Allyl chloride	*	1.00		**11.4**	10.00	0	114.1	70	130	04/23/2024
Benzene	*	0.50		**10.0**	10.00	0	100.1	70	130	04/23/2024
Benzyl chloride	*	0.50		**10.0**	10.00	0	100.4	70	136	04/23/2024
Bromodichloromethane	*	0.50		**10.7**	10.00	0	106.6	70	130	04/23/2024
Bromoform	*	0.50		**11.6**	10.00	0	116.3	70	130	04/23/2024
Bromomethane	*	0.50		**8.57**	10.00	0	85.7	70	130	04/23/2024
Carbon disulfide	*	0.50		**11.2**	10.00	0	111.8	70	130	04/23/2024
Carbon tetrachloride	*	0.50		**9.77**	10.00	0	97.7	70	130	04/23/2024
Chlorobenzene	*	0.50		**9.75**	10.00	0	97.5	70	130	04/23/2024
Chloroethane	*	0.50		**10.0**	10.00	0	100.1	70	130	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221909 **SampType:** LCS Units **ppbv**

SampID: LCS-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**9.57**	10.00	0	95.7	70	130	04/23/2024
Chloromethane	*	0.50		**8.75**	10.00	0	87.5	66.3	132	04/23/2024
Chloroprene	*	0.50		**9.76**	10.00	0	97.6	70	130	04/23/2024
cis-1,2-Dichloroethene	*	0.50		**9.26**	10.00	0	92.6	70	130	04/23/2024
cis-1,3-dichloropropene	*	0.50		**11.0**	10.00	0	110.0	70	130	04/23/2024
Cyclohexane	*	0.50		**10.5**	10.00	0	105.2	70	130	04/23/2024
Dibromochloromethane	*	0.50		**10.8**	10.00	0	108.4	70	130	04/23/2024
Dichlorodifluoromethane	*	0.50		**9.52**	10.00	0	95.2	64	131	04/23/2024
Dichlorotetrafluoroethane	*	0.50		**8.87**	10.00	0	88.7	63	130	04/23/2024
Ethanol	*	5.00		**13.7**	10.00	0	136.8	70	153	04/23/2024
Ethyl acetate	*	1.00		**11.3**	10.00	0	112.7	70	130	04/23/2024
Ethylbenzene	*	0.50		**10.4**	10.00	0	104.4	70	130	04/23/2024
Ethyl-tert-butyl ether	*	0.50		**9.46**	10.00	0	94.6	67.9	133	04/23/2024
Hexachlorobutadiene	*	0.50		**8.35**	10.00	0	83.5	66.4	130	04/23/2024
Isooctane	*	0.50		**10.9**	10.00	0	108.6	70	130	04/23/2024
Isopropanol	*	3.00		**10.5**	10.00	0	104.9	60.4	130	04/23/2024
Isopropyl ether	*	0.50		**10.4**	10.00	0	104.0	70	130	04/23/2024
Isopropylbenzene	*	0.50		**9.70**	10.00	0	97.0	70	130	04/23/2024
m,p-Xylene	*	1.00		**19.3**	20.00	0	96.4	70	130	04/23/2024
Methyl methacrylate	*	0.50		**11.0**	10.00	0	110.4	70	130	04/23/2024
Methyl tert-butyl ether	*	0.50		**9.73**	10.00	0	97.3	70	130	04/23/2024
Methylene chloride	*	1.00		**10.6**	10.00	0	106.0	70	130	04/23/2024
Naphthalene	*	0.50		**6.41**	10.00	0	64.1	50.6	135	04/23/2024
n-Butylbenzene	*	0.50		**8.67**	10.00	0	86.7	66.4	135	04/23/2024
n-Heptane	*	0.50		**11.3**	10.00	0	113.3	70	130	04/23/2024
n-Hexane	*	0.50		**10.3**	10.00	0	102.9	70	130	04/23/2024
n-Propylbenzene	*	0.50		**9.36**	10.00	0	93.6	70	130	04/23/2024
o-Cymene	*	0.50		**8.33**	10.00	0	83.3	70	130	04/23/2024
o-Xylene	*	0.50		**10.2**	10.00	0	101.7	70	130	04/23/2024
p-Ethyltoluene	*	0.50		**9.86**	10.00	0	98.6	70	130	04/23/2024
Propylene	*	0.50		**10.0**	10.00	0	100.3	58.4	140	04/23/2024
sec-Butylbenzene	*	0.50		**8.82**	10.00	0	88.2	66	137	04/23/2024
Styrene	*	0.50		**9.48**	10.00	0	94.8	70	130	04/23/2024
tert-Amyl Methyl Ether	*	0.50		**9.58**	10.00	0	95.8	70	132	04/23/2024
tert-Butyl alcohol	*	0.50		**11.8**	10.00	0	117.8	70	160	04/23/2024
tert-Butylbenzene	*	0.50		**8.77**	10.00	0	87.7	70	130	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221909 **SampType:** LCS Units **ppbv**

SampID: LCS-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**9.33**	10.00	0	93.3	70	130	04/23/2024
Tetrahydrofuran	*	0.50		**12.3**	10.00	0	123.3	70	130	04/23/2024
Toluene	*	0.50		**10.1**	10.00	0	100.6	70	130	04/23/2024
trans-1,2-Dichloroethene	*	0.50		**9.90**	10.00	0	99.0	70	130	04/23/2024
trans-1,3-dichloropropene	*	0.50		**11.4**	10.00	0	113.9	70	130	04/23/2024
Trichloroethene	*	0.50		**9.27**	10.00	0	92.7	70	130	04/23/2024
Trichlorofluoromethane	*	0.50		**9.93**	10.00	0	99.3	66.6	130	04/23/2024
Vinyl acetate	*	0.50		**9.26**	10.00	0	92.6	54.7	130	04/23/2024
Vinyl bromide	*	0.50		**9.85**	10.00	0	98.5	70	130	04/23/2024
Vinyl chloride	*	0.50		**8.61**	10.00	0	86.1	57.4	141	04/23/2024
Surr: 4-Bromofluorobenzene	*			**10.4**	10.00		103.7	70	130	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221909 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.53**	10.00	0	95.3	9.608	0.83	04/23/2024
1,1,1-Trichloroethane	*	0.50		**9.49**	10.00	0	94.9	9.474	0.16	04/23/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.1**	10.00	0	101.4	10.35	2.03	04/23/2024
1,1,2-Trichloroethane	*	0.50		**10.0**	10.00	0	100.2	9.996	0.19	04/23/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**9.87**	10.00	0	98.7	9.865	0.04	04/23/2024
1,1-Dichloroethane	*	0.50		**9.88**	10.00	0	98.8	9.820	0.59	04/23/2024
1,1-Dichloroethene	*	0.50		**10.4**	10.00	0	104.3	11.62	10.82	04/23/2024
1,2,4-Trichlorobenzene	*	0.50		**7.18**	10.00	0	71.8	7.240	0.82	04/23/2024
1,2,4-Trimethylbenzene	*	0.50		**9.12**	10.00	0	91.2	9.215	1.01	04/23/2024
1,2-Dibromoethane	*	0.50		**10.1**	10.00	0	101.4	10.19	0.46	04/23/2024
1,2-Dichlorobenzene	*	0.50		**9.04**	10.00	0	90.4	9.130	0.94	04/23/2024
1,2-Dichloroethane	*	0.50		**10.0**	10.00	0	100.4	10.11	0.62	04/23/2024
1,2-Dichloropropane	*	0.50		**10.5**	10.00	0	105.4	10.55	0.07	04/23/2024
1,3,5-Trimethylbenzene	*	0.50		**9.13**	10.00	0	91.3	9.250	1.31	04/23/2024
1,3-Butadiene	*	1.00		**8.85**	10.00	0	88.5	8.890	0.43	04/23/2024
1,3-Dichlorobenzene	*	0.50		**8.74**	10.00	0	87.4	8.769	0.37	04/23/2024
1,4-Dichlorobenzene	*	0.50		**8.65**	10.00	0	86.5	8.597	0.56	04/23/2024
1,4-Dioxane	*	0.50		**9.78**	10.00	0	97.8	9.804	0.27	04/23/2024
2-Butanone	*	1.00		**10.8**	10.00	0	108.3	10.78	0.51	04/23/2024
2-Chlorotoluene	*	0.50		**8.99**	10.00	0	89.9	9.207	2.41	04/23/2024
2-Hexanone	*	0.50		**10.6**	10.00	0	105.9	10.65	0.51	04/23/2024
4-Methyl-2-pentanone	*	0.50		**10.7**	10.00	0	107.5	10.70	0.44	04/23/2024
Acetone	*	2.00		**12.1**	10.00	0	120.6	12.00	0.53	04/23/2024
Acetonitrile	*	0.50		**12.9**	10.00	0	128.7	12.85	0.13	04/23/2024
Acrolein	*	0.50		**11.3**	10.00	0	112.8	11.51	1.97	04/23/2024
Acrylonitrile	*	0.50		**12.4**	10.00	0	123.9	11.33	8.93	04/23/2024
Allyl chloride	*	1.00		**11.4**	10.00	0	113.6	11.41	0.49	04/23/2024
Benzene	*	0.50		**9.97**	10.00	0	99.7	10.01	0.38	04/23/2024
Benzyl chloride	*	0.50		**10.1**	10.00	0	100.6	10.04	0.18	04/23/2024
Bromodichloromethane	*	0.50		**10.7**	10.00	0	106.6	10.66	0.01	04/23/2024
Bromoform	*	0.50		**10.7**	10.00	0	107.1	11.63	8.21	04/23/2024
Bromomethane	*	0.50		**8.48**	10.00	0	84.8	8.568	1.08	04/23/2024
Carbon disulfide	*	0.50		**12.0**	10.00	0	120.4	11.18	7.44	04/23/2024
Carbon tetrachloride	*	0.50		**9.66**	10.00	0	96.6	9.766	1.06	04/23/2024
Chlorobenzene	*	0.50		**9.66**	10.00	0	96.6	9.749	0.89	04/23/2024
Chloroethane	*	0.50		**10.0**	10.00	0	100.1	10.01	0.02	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221909 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloroform	*	0.50		**9.58**	10.00	0	95.8	9.569	0.12	04/23/2024
Chloromethane	*	0.50		**8.79**	10.00	0	87.9	8.753	0.47	04/23/2024
Chloroprene	*	0.50		**9.80**	10.00	0	98.0	9.755	0.49	04/23/2024
cis-1,2-Dichloroethene	*	0.50		**9.29**	10.00	0	92.9	9.264	0.27	04/23/2024
cis-1,3-dichloropropene	*	0.50		**11.0**	10.00	0	109.7	11.00	0.26	04/23/2024
Cyclohexane	*	0.50		**10.4**	10.00	0	104.0	10.52	1.18	04/23/2024
Dibromochloromethane	*	0.50		**10.8**	10.00	0	107.7	10.84	0.69	04/23/2024
Dichlorodifluoromethane	*	0.50		**9.57**	10.00	0	95.7	9.524	0.49	04/23/2024
Dichlorotetrafluoroethane	*	0.50		**8.85**	10.00	0	88.5	8.866	0.17	04/23/2024
Ethanol	*	5.00		**13.6**	10.00	0	136.3	13.68	0.39	04/23/2024
Ethyl acetate	*	1.00		**11.3**	10.00	0	112.6	11.27	0.07	04/23/2024
Ethylbenzene	*	0.50		**10.4**	10.00	0	103.9	10.44	0.55	04/23/2024
Ethyl-tert-butyl ether	*	0.50		**9.53**	10.00	0	95.3	9.462	0.77	04/23/2024
Hexachlorobutadiene	*	0.50		**8.24**	10.00	0	82.4	8.346	1.31	04/23/2024
Isooctane	*	0.50		**10.9**	10.00	0	108.7	10.86	0.11	04/23/2024
Isopropanol	*	3.00		**10.7**	10.00	0	107.0	10.49	1.96	04/23/2024
Isopropyl ether	*	0.50		**10.5**	10.00	0	104.6	10.40	0.58	04/23/2024
Isopropylbenzene	*	0.50		**9.52**	10.00	0	95.2	9.705	1.97	04/23/2024
m,p-Xylene	*	1.00		**18.3**	20.00	0	91.3	19.28	5.38	04/23/2024
Methyl methacrylate	*	0.50		**10.9**	10.00	0	109.2	11.04	1.09	04/23/2024
Methyl tert-butyl ether	*	0.50		**9.87**	10.00	0	98.7	9.730	1.47	04/23/2024
Methylene chloride	*	1.00		**10.6**	10.00	0	105.8	10.60	0.15	04/23/2024
Naphthalene	*	0.50		**6.28**	10.00	0	62.8	6.410	1.99	04/23/2024
n-Butylbenzene	*	0.50		**8.41**	10.00	0	84.1	8.666	2.95	04/23/2024
n-Heptane	*	0.50		**11.2**	10.00	0	111.8	11.33	1.31	04/23/2024
n-Hexane	*	0.50		**10.3**	10.00	0	103.2	10.29	0.29	04/23/2024
n-Propylbenzene	*	0.50		**9.17**	10.00	0	91.7	9.355	2.00	04/23/2024
o-Cymene	*	0.50		**8.15**	10.00	0	81.5	8.331	2.15	04/23/2024
o-Xylene	*	0.50		**10.0**	10.00	0	100.4	10.17	1.25	04/23/2024
p-Ethyltoluene	*	0.50		**9.77**	10.00	0	97.7	9.855	0.88	04/23/2024
Propylene	*	0.50		**10.2**	10.00	0	101.6	10.03	1.21	04/23/2024
sec-Butylbenzene	*	0.50		**8.66**	10.00	0	86.6	8.817	1.84	04/23/2024
Styrene	*	0.50		**9.49**	10.00	0	94.9	9.484	0.02	04/23/2024
tert-Amyl Methyl Ether	*	0.50		**9.46**	10.00	0	94.6	9.575	1.19	04/23/2024
tert-Butyl alcohol	*	0.50		**12.2**	10.00	0	122.2	11.78	3.73	04/23/2024
tert-Butylbenzene	*	0.50		**8.58**	10.00	0	85.8	8.771	2.17	04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221909** **SampType:** **LCSD** Units **ppbv** RPD Limit **30**

SampID: LCSD-AG240423-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Tetrachloroethene	*	0.50		**9.36**	10.00	0	93.6	9.332	0.27	04/23/2024
Tetrahydrofuran	*	0.50		**12.3**	10.00	0	122.8	12.33	0.39	04/23/2024
Toluene	*	0.50		**10.1**	10.00	0	100.9	10.06	0.33	04/23/2024
trans-1,2-Dichloroethene	*	0.50		**9.98**	10.00	0	99.8	9.902	0.79	04/23/2024
trans-1,3-dichloropropene	*	0.50		**11.4**	10.00	0	113.9	11.39	0.02	04/23/2024
Trichloroethene	*	0.50		**9.14**	10.00	0	91.4	9.269	1.39	04/23/2024
Trichlorofluoromethane	*	0.50		**9.91**	10.00	0	99.1	9.926	0.17	04/23/2024
Vinyl acetate	*	0.50		**9.67**	10.00	0	96.7	9.261	4.35	04/23/2024
Vinyl bromide	*	0.50		**9.93**	10.00	0	99.3	9.853	0.74	04/23/2024
Vinyl chloride	*	0.50		**8.70**	10.00	0	87.0	8.612	1.03	04/23/2024
Surr: 4-Bromofluorobenzene	*			**10.4**	10.00		103.8			04/23/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221958 **SampType:** MBLK Units **ppbv**

SampID: MBLK-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**ND**						04/24/2024
1,1,1-Trichloroethane	*	0.50		**ND**						04/24/2024
1,1,2,2-Tetrachloroethane	*	0.50		**ND**						04/24/2024
1,1,2-Trichloroethane	*	0.50		**ND**						04/24/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**ND**						04/24/2024
1,1-Dichloroethane	*	0.50		**ND**						04/24/2024
1,1-Dichloroethene	*	0.50		**ND**						04/24/2024
1,2,4-Trichlorobenzene	*	0.50		**ND**						04/24/2024
1,2,4-Trimethylbenzene	*	0.50		**ND**						04/24/2024
1,2-Dibromoethane	*	0.50		**ND**						04/24/2024
1,2-Dichlorobenzene	*	0.50		**ND**						04/24/2024
1,2-Dichloroethane	*	0.50		**ND**						04/24/2024
1,2-Dichloropropane	*	0.50		**ND**						04/24/2024
1,3,5-Trimethylbenzene	*	0.50		**ND**						04/24/2024
1,3-Butadiene	*	1.00		**ND**						04/24/2024
1,3-Dichlorobenzene	*	0.50		**ND**						04/24/2024
1,4-Dichlorobenzene	*	0.50		**ND**						04/24/2024
1,4-Dioxane	*	0.50		**ND**						04/24/2024
2-Butanone	*	1.00		**ND**						04/24/2024
2-Chlorotoluene	*	0.50		**ND**						04/24/2024
2-Hexanone	*	0.50		**ND**						04/24/2024
4-Methyl-2-pentanone	*	0.50		**ND**						04/24/2024
Acetone	*	2.00		**ND**						04/24/2024
Acetonitrile	*	0.50		**ND**						04/24/2024
Acrolein	*	0.50		**ND**						04/24/2024
Acrylonitrile	*	0.50		**ND**						04/24/2024
Allyl chloride	*	1.00		**ND**						04/24/2024
Benzene	*	0.50		**ND**						04/24/2024
Benzyl chloride	*	0.50		**ND**						04/24/2024
Bromodichloromethane	*	0.50		**ND**						04/24/2024
Bromoform	*	0.50		**ND**						04/24/2024
Bromomethane	*	0.50		**ND**						04/24/2024
Carbon disulfide	*	0.50		**ND**						04/24/2024
Carbon tetrachloride	*	0.50		**ND**						04/24/2024
Chlorobenzene	*	0.50		**ND**						04/24/2024
Chloroethane	*	0.50		**ND**						04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221958 **SampType:** MBLK Units **ppbv**

SampID: MBLK-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**ND**						04/24/2024
Chloromethane	*	0.50		**ND**						04/24/2024
Chloroprene	*	0.50		**ND**						04/24/2024
cis-1,2-Dichloroethene	*	0.50		**ND**						04/24/2024
cis-1,3-dichloropropene	*	0.50		**ND**						04/24/2024
Cyclohexane	*	0.50		**ND**						04/24/2024
Dibromochloromethane	*	0.50		**ND**						04/24/2024
Dichlorodifluoromethane	*	0.50		**ND**						04/24/2024
Dichlorotetrafluoroethane	*	0.50		**ND**						04/24/2024
Ethanol	*	5.00		**ND**						04/24/2024
Ethyl acetate	*	1.00		**ND**						04/24/2024
Ethylbenzene	*	0.50		**ND**						04/24/2024
Ethyl-tert-butyl ether	*	0.50		**ND**						04/24/2024
Hexachlorobutadiene	*	0.50		**ND**						04/24/2024
Isooctane	*	0.50		**ND**						04/24/2024
Isopropanol	*	3.00		**ND**						04/24/2024
Isopropyl ether	*	0.50		**ND**						04/24/2024
Isopropylbenzene	*	0.50		**ND**						04/24/2024
m,p-Xylene	*	1.00		**ND**						04/24/2024
Methyl methacrylate	*	0.50		**ND**						04/24/2024
Methyl tert-butyl ether	*	0.50		**ND**						04/24/2024
Methylene chloride	*	1.00		**ND**						04/24/2024
Naphthalene	*	0.50		**ND**						04/24/2024
n-Butylbenzene	*	0.50		**ND**						04/24/2024
n-Heptane	*	0.50		**ND**						04/24/2024
n-Hexane	*	0.50		**ND**						04/24/2024
n-Propylbenzene	*	0.50		**ND**						04/24/2024
o-Cymene	*	0.50		**ND**						04/24/2024
o-Xylene	*	0.50		**ND**						04/24/2024
p-Ethyltoluene	*	0.50		**ND**						04/24/2024
Propylene	*	0.50		**ND**						04/24/2024
sec-Butylbenzene	*	0.50		**ND**						04/24/2024
Styrene	*	0.50		**ND**						04/24/2024
tert-Amyl Methyl Ether	*	0.50		**ND**						04/24/2024
tert-Butyl alcohol	*	0.50		**ND**						04/24/2024
tert-Butylbenzene	*	0.50		**ND**						04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221958** **SampType:** **MBLK** Units **ppbv**

SampID: MBLK-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**ND**						04/24/2024
Tetrahydrofuran	*	0.50		**ND**						04/24/2024
Toluene	*	0.50		**ND**						04/24/2024
trans-1,2-Dichloroethene	*	0.50		**ND**						04/24/2024
trans-1,3-dichloropropene	*	0.50		**ND**						04/24/2024
Trichloroethene	*	0.50		**ND**						04/24/2024
Trichlorofluoromethane	*	0.50		**ND**						04/24/2024
Vinyl acetate	*	0.50		**ND**						04/24/2024
Vinyl bromide	*	0.50		**ND**						04/24/2024
Vinyl chloride	*	0.50		**ND**						04/24/2024
Surr: 4-Bromofluorobenzene	*			**8.72**	10.00		87.2	46.9	145	04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221958 **SampType:** LCS Units **ppbv**

SampID: LCS-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.57**	10.00	0	95.7	70	130	04/24/2024
1,1,1-Trichloroethane	*	0.50		**9.37**	10.00	0	93.7	70	130	04/24/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.2**	10.00	0	101.7	64.9	130	04/24/2024
1,1,2-Trichloroethane	*	0.50		**10.1**	10.00	0	100.9	70	130	04/24/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**9.73**	10.00	0	97.3	70	130	04/24/2024
1,1-Dichloroethane	*	0.50		**9.68**	10.00	0	96.8	70	130	04/24/2024
1,1-Dichloroethene	*	0.50		**11.4**	10.00	0	113.8	70	130	04/24/2024
1,2,4-Trichlorobenzene	*	0.50		**7.16**	10.00	0	71.6	66.9	130	04/24/2024
1,2,4-Trimethylbenzene	*	0.50		**9.14**	10.00	0	91.4	70	130	04/24/2024
1,2-Dibromoethane	*	0.50		**10.2**	10.00	0	102.0	70	130	04/24/2024
1,2-Dichlorobenzene	*	0.50		**9.07**	10.00	0	90.7	70	130	04/24/2024
1,2-Dichloroethane	*	0.50		**9.87**	10.00	0	98.7	64.4	130	04/24/2024
1,2-Dichloropropane	*	0.50		**10.6**	10.00	0	105.6	70	130	04/24/2024
1,3,5-Trimethylbenzene	*	0.50		**9.17**	10.00	0	91.7	70	130	04/24/2024
1,3-Butadiene	*	1.00		**8.74**	10.00	0	87.4	70	130	04/24/2024
1,3-Dichlorobenzene	*	0.50		**8.72**	10.00	0	87.2	70	130	04/24/2024
1,4-Dichlorobenzene	*	0.50		**8.51**	10.00	0	85.1	70	130	04/24/2024
1,4-Dioxane	*	0.50		**9.77**	10.00	0	97.7	67.9	134	04/24/2024
2-Butanone	*	1.00		**10.5**	10.00	0	104.6	70	130	04/24/2024
2-Chlorotoluene	*	0.50		**9.09**	10.00	0	90.9	70	130	04/24/2024
2-Hexanone	*	0.50		**10.6**	10.00	0	106.3	70	135	04/24/2024
4-Methyl-2-pentanone	*	0.50		**10.7**	10.00	0	106.5	70	130	04/24/2024
Acetone	*	2.00		**11.6**	10.00	0	116.2	65.4	130	04/24/2024
Acetonitrile	*	0.50		**12.5**	10.00	0	124.7	63.1	134	04/24/2024
Acrolein	*	0.50		**11.2**	10.00	0	111.9	70	130	04/24/2024
Acrylonitrile	*	0.50		**12.1**	10.00	0	121.4	70	130	04/24/2024
Allyl chloride	*	1.00		**10.9**	10.00	0	109.0	70	130	04/24/2024
Benzene	*	0.50		**9.98**	10.00	0	99.8	70	130	04/24/2024
Benzyl chloride	*	0.50		**10.2**	10.00	0	101.7	70	136	04/24/2024
Bromodichloromethane	*	0.50		**10.6**	10.00	0	105.7	70	130	04/24/2024
Bromoform	*	0.50		**10.9**	10.00	0	108.6	70	130	04/24/2024
Bromomethane	*	0.50		**9.06**	10.00	0	90.6	70	130	04/24/2024
Carbon disulfide	*	0.50		**10.9**	10.00	0	109.5	70	130	04/24/2024
Carbon tetrachloride	*	0.50		**9.57**	10.00	0	95.7	70	130	04/24/2024
Chlorobenzene	*	0.50		**9.78**	10.00	0	97.8	70	130	04/24/2024
Chloroethane	*	0.50		**9.81**	10.00	0	98.1	70	130	04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221958 **SampType:** LCS Units **ppbv**

SampID: LCS-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloroform	*	0.50		**9.39**	10.00	0	93.9	70	130	04/24/2024
Chloromethane	*	0.50		**8.52**	10.00	0	85.2	66.3	132	04/24/2024
Chloroprene	*	0.50		**9.47**	10.00	0	94.7	70	130	04/24/2024
cis-1,2-Dichloroethene	*	0.50		**9.23**	10.00	0	92.3	70	130	04/24/2024
cis-1,3-dichloropropene	*	0.50		**10.9**	10.00	0	109.4	70	130	04/24/2024
Cyclohexane	*	0.50		**10.4**	10.00	0	103.7	70	130	04/24/2024
Dibromochloromethane	*	0.50		**10.8**	10.00	0	108.2	70	130	04/24/2024
Dichlorodifluoromethane	*	0.50		**9.26**	10.00	0	92.6	64	131	04/24/2024
Dichlorotetrafluoroethane	*	0.50		**8.69**	10.00	0	86.9	63	130	04/24/2024
Ethanol	*	5.00		**13.1**	10.00	0	131.4	70	153	04/24/2024
Ethyl acetate	*	1.00		**11.1**	10.00	0	110.6	70	130	04/24/2024
Ethylbenzene	*	0.50		**10.4**	10.00	0	103.6	70	130	04/24/2024
Ethyl-tert-butyl ether	*	0.50		**9.24**	10.00	0	92.4	67.9	133	04/24/2024
Hexachlorobutadiene	*	0.50		**8.36**	10.00	0	83.6	66.4	130	04/24/2024
Isooctane	*	0.50		**10.7**	10.00	0	107.4	70	130	04/24/2024
Isopropanol	*	3.00		**10.3**	10.00	0	102.8	60.4	130	04/24/2024
Isopropyl ether	*	0.50		**10.1**	10.00	0	101.3	70	130	04/24/2024
Isopropylbenzene	*	0.50		**9.53**	10.00	0	95.3	70	130	04/24/2024
m,p-Xylene	*	1.00		**19.2**	20.00	0	96.0	70	130	04/24/2024
Methyl methacrylate	*	0.50		**10.8**	10.00	0	108.1	70	130	04/24/2024
Methyl tert-butyl ether	*	0.50		**9.67**	10.00	0	96.7	70	130	04/24/2024
Methylene chloride	*	1.00		**10.2**	10.00	0	102.3	70	130	04/24/2024
Naphthalene	*	0.50		**6.25**	10.00	0	62.5	50.6	135	04/24/2024
n-Butylbenzene	*	0.50		**8.42**	10.00	0	84.2	66.4	135	04/24/2024
n-Heptane	*	0.50		**11.1**	10.00	0	111.0	70	130	04/24/2024
n-Hexane	*	0.50		**10.1**	10.00	0	100.8	70	130	04/24/2024
n-Propylbenzene	*	0.50		**9.11**	10.00	0	91.1	70	130	04/24/2024
o-Cymene	*	0.50		**8.16**	10.00	0	81.6	70	130	04/24/2024
o-Xylene	*	0.50		**10.1**	10.00	0	100.9	70	130	04/24/2024
p-Ethyltoluene	*	0.50		**9.78**	10.00	0	97.8	70	130	04/24/2024
Propylene	*	0.50		**9.81**	10.00	0	98.1	58.4	140	04/24/2024
sec-Butylbenzene	*	0.50		**8.67**	10.00	0	86.7	66	137	04/24/2024
Styrene	*	0.50		**9.49**	10.00	0	94.9	70	130	04/24/2024
tert-Amyl Methyl Ether	*	0.50		**9.83**	10.00	0	98.3	70	132	04/24/2024
tert-Butyl alcohol	*	0.50		**11.8**	10.00	0	117.6	70	160	04/24/2024
tert-Butylbenzene	*	0.50		**8.72**	10.00	0	87.2	70	130	04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221958 **SampType:** LCS Units **ppbv**

SampID: LCS-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Tetrachloroethene	*	0.50		**9.51**	10.00	0	95.1	70	130	04/24/2024
Tetrahydrofuran	*	0.50		**12.1**	10.00	0	120.7	70	130	04/24/2024
Toluene	*	0.50		**10.2**	10.00	0	101.7	70	130	04/24/2024
trans-1,2-Dichloroethene	*	0.50		**9.68**	10.00	0	96.8	70	130	04/24/2024
trans-1,3-dichloropropene	*	0.50		**11.3**	10.00	0	112.8	70	130	04/24/2024
Trichloroethene	*	0.50		**9.22**	10.00	0	92.2	70	130	04/24/2024
Trichlorofluoromethane	*	0.50		**9.63**	10.00	0	96.3	66.6	130	04/24/2024
Vinyl acetate	*	0.50		**8.85**	10.00	0	88.5	54.7	130	04/24/2024
Vinyl bromide	*	0.50		**9.86**	10.00	0	98.6	70	130	04/24/2024
Vinyl chloride	*	0.50		**8.54**	10.00	0	85.4	57.4	141	04/24/2024
Surr: 4-Bromofluorobenzene	*			**10.2**	10.00		101.6	70	130	04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221958 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,1,1,2-Tetrachloroethane	*	0.50		**9.55**	10.00	0	95.5	9.572	0.26	04/24/2024
1,1,1-Trichloroethane	*	0.50		**9.55**	10.00	0	95.5	9.366	1.99	04/24/2024
1,1,2,2-Tetrachloroethane	*	0.50		**10.2**	10.00	0	102.2	10.17	0.47	04/24/2024
1,1,2-Trichloroethane	*	0.50		**10.2**	10.00	0	101.9	10.09	0.98	04/24/2024
1,1,2-Trichlorotrifluoroethane	*	0.50		**9.80**	10.00	0	98.0	9.730	0.69	04/24/2024
1,1-Dichloroethane	*	0.50		**9.81**	10.00	0	98.1	9.675	1.37	04/24/2024
1,1-Dichloroethene	*	0.50		**10.3**	10.00	0	103.0	11.38	9.91	04/24/2024
1,2,4-Trichlorobenzene	*	0.50		**7.07**	10.00	0	70.7	7.164	1.36	04/24/2024
1,2,4-Trimethylbenzene	*	0.50		**9.13**	10.00	0	91.3	9.140	0.14	04/24/2024
1,2-Dibromoethane	*	0.50		**10.3**	10.00	0	103.0	10.20	0.98	04/24/2024
1,2-Dichlorobenzene	*	0.50		**9.06**	10.00	0	90.6	9.068	0.09	04/24/2024
1,2-Dichloroethane	*	0.50		**9.98**	10.00	0	99.8	9.869	1.11	04/24/2024
1,2-Dichloropropane	*	0.50		**10.7**	10.00	0	107.2	10.56	1.54	04/24/2024
1,3,5-Trimethylbenzene	*	0.50		**9.16**	10.00	0	91.6	9.174	0.16	04/24/2024
1,3-Butadiene	*	1.00		**8.79**	10.00	0	87.9	8.742	0.50	04/24/2024
1,3-Dichlorobenzene	*	0.50		**8.79**	10.00	0	87.9	8.721	0.77	04/24/2024
1,4-Dichlorobenzene	*	0.50		**8.62**	10.00	0	86.2	8.511	1.22	04/24/2024
1,4-Dioxane	*	0.50		**9.98**	10.00	0	99.8	9.767	2.12	04/24/2024
2-Butanone	*	1.00		**10.6**	10.00	0	105.9	10.46	1.21	04/24/2024
2-Chlorotoluene	*	0.50		**9.03**	10.00	0	90.3	9.091	0.66	04/24/2024
2-Hexanone	*	0.50		**10.7**	10.00	0	106.8	10.63	0.43	04/24/2024
4-Methyl-2-pentanone	*	0.50		**10.7**	10.00	0	106.9	10.65	0.37	04/24/2024
Acetone	*	2.00		**11.7**	10.00	0	116.7	11.62	0.42	04/24/2024
Acetonitrile	*	0.50		**12.5**	10.00	0	124.6	12.47	0.11	04/24/2024
Acrolein	*	0.50		**11.1**	10.00	0	111.2	11.19	0.56	04/24/2024
Acrylonitrile	*	0.50		**12.3**	10.00	0	122.9	12.14	1.21	04/24/2024
Allyl chloride	*	1.00		**11.0**	10.00	0	110.5	10.90	1.33	04/24/2024
Benzene	*	0.50		**10.1**	10.00	0	101.3	9.980	1.50	04/24/2024
Benzyl chloride	*	0.50		**10.2**	10.00	0	102.3	10.17	0.58	04/24/2024
Bromodichloromethane	*	0.50		**10.7**	10.00	0	107.0	10.57	1.20	04/24/2024
Bromoform	*	0.50		**10.9**	10.00	0	109.0	10.86	0.33	04/24/2024
Bromomethane	*	0.50		**8.85**	10.00	0	88.5	9.063	2.39	04/24/2024
Carbon disulfide	*	0.50		**12.0**	10.00	0	120.4	10.95	9.54	04/24/2024
Carbon tetrachloride	*	0.50		**9.75**	10.00	0	97.5	9.575	1.81	04/24/2024
Chlorobenzene	*	0.50		**9.88**	10.00	0	98.8	9.780	1.05	04/24/2024
Chloroethane	*	0.50		**9.94**	10.00	0	99.4	9.815	1.26	04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch 221958 **SampType:** LCSD Units **ppbv** RPD Limit **30**

SampID: LCSD-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloroform	*	0.50		**9.52**	10.00	0	95.2	9.387	1.41	04/24/2024
Chloromethane	*	0.50		**8.64**	10.00	0	86.4	8.524	1.37	04/24/2024
Chloroprene	*	0.50		**9.66**	10.00	0	96.6	9.474	1.94	04/24/2024
cis-1,2-Dichloroethene	*	0.50		**9.28**	10.00	0	92.8	9.230	0.57	04/24/2024
cis-1,3-dichloropropene	*	0.50		**11.1**	10.00	0	110.7	10.94	1.18	04/24/2024
Cyclohexane	*	0.50		**10.5**	10.00	0	105.5	10.37	1.73	04/24/2024
Dibromochloromethane	*	0.50		**10.9**	10.00	0	109.4	10.82	1.11	04/24/2024
Dichlorodifluoromethane	*	0.50		**9.39**	10.00	0	93.9	9.260	1.35	04/24/2024
Dichlorotetrafluoroethane	*	0.50		**8.73**	10.00	0	87.3	8.686	0.47	04/24/2024
Ethanol	*	5.00		**13.0**	10.00	0	130.0	13.14	1.14	04/24/2024
Ethyl acetate	*	1.00		**11.3**	10.00	0	113.0	11.06	2.18	04/24/2024
Ethylbenzene	*	0.50		**10.5**	10.00	0	105.3	10.36	1.63	04/24/2024
Ethyl-tert-butyl ether	*	0.50		**9.50**	10.00	0	95.0	9.240	2.79	04/24/2024
Hexachlorobutadiene	*	0.50		**8.11**	10.00	0	81.1	8.357	3.03	04/24/2024
Isooctane	*	0.50		**10.9**	10.00	0	109.3	10.74	1.70	04/24/2024
Isopropanol	*	3.00		**10.5**	10.00	0	104.8	10.28	1.97	04/24/2024
Isopropyl ether	*	0.50		**10.3**	10.00	0	103.2	10.13	1.85	04/24/2024
Isopropylbenzene	*	0.50		**9.65**	10.00	0	96.5	9.529	1.22	04/24/2024
m,p-Xylene	*	1.00		**19.9**	20.00	0	99.7	19.20	3.75	04/24/2024
Methyl methacrylate	*	0.50		**10.9**	10.00	0	108.9	10.81	0.74	04/24/2024
Methyl tert-butyl ether	*	0.50		**9.79**	10.00	0	97.9	9.671	1.27	04/24/2024
Methylene chloride	*	1.00		**10.4**	10.00	0	103.7	10.23	1.32	04/24/2024
Naphthalene	*	0.50		**6.24**	10.00	0	62.4	6.252	0.21	04/24/2024
n-Butylbenzene	*	0.50		**8.43**	10.00	0	84.3	8.422	0.16	04/24/2024
n-Heptane	*	0.50		**11.3**	10.00	0	112.7	11.10	1.52	04/24/2024
n-Hexane	*	0.50		**10.2**	10.00	0	102.1	10.08	1.30	04/24/2024
n-Propylbenzene	*	0.50		**9.16**	10.00	0	91.6	9.110	0.54	04/24/2024
o-Cymene	*	0.50		**8.14**	10.00	0	81.4	8.159	0.28	04/24/2024
o-Xylene	*	0.50		**10.1**	10.00	0	101.2	10.09	0.33	04/24/2024
p-Ethyltoluene	*	0.50		**9.83**	10.00	0	98.3	9.781	0.51	04/24/2024
Propylene	*	0.50		**10.0**	10.00	0	100.4	9.808	2.34	04/24/2024
sec-Butylbenzene	*	0.50		**8.67**	10.00	0	86.7	8.672	0.06	04/24/2024
Styrene	*	0.50		**9.54**	10.00	0	95.4	9.485	0.53	04/24/2024
tert-Amyl Methyl Ether	*	0.50		**9.49**	10.00	0	94.9	9.832	3.57	04/24/2024
tert-Butyl alcohol	*	0.50		**13.1**	10.00	0	131.1	11.76	10.88	04/24/2024
tert-Butylbenzene	*	0.50		**8.65**	10.00	0	86.5	8.717	0.79	04/24/2024

Client: Geotechnology, Inc. **Work Order:** 24041607

Client Project: J044644.02 **Report Date:** 29-Apr-24

TO-15, VOLATILE ORGANIC COMPOUNDS, BY GC/MS

Batch **221958** **SampType:** **LCSD** Units **ppbv** RPD Limit **30**

SampID: LCSD-AG240424-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Tetrachloroethene	*	0.50		**9.54**	10.00	0	95.4	9.509	0.31	04/24/2024
Tetrahydrofuran	*	0.50		**12.2**	10.00	0	121.8	12.07	0.90	04/24/2024
Toluene	*	0.50		**10.3**	10.00	0	102.7	10.17	0.97	04/24/2024
trans-1,2-Dichloroethene	*	0.50		**9.76**	10.00	0	97.6	9.684	0.82	04/24/2024
trans-1,3-dichloropropene	*	0.50		**11.5**	10.00	0	114.7	11.28	1.65	04/24/2024
Trichloroethene	*	0.50		**9.39**	10.00	0	93.9	9.223	1.81	04/24/2024
Trichlorofluoromethane	*	0.50		**9.81**	10.00	0	98.1	9.626	1.87	04/24/2024
Vinyl acetate	*	0.50		**9.02**	10.00	0	90.2	8.848	1.97	04/24/2024
Vinyl bromide	*	0.50		**9.98**	10.00	0	99.8	9.865	1.12	04/24/2024
Vinyl chloride	*	0.50		**8.63**	10.00	0	86.3	8.543	0.98	04/24/2024
Surr: 4-Bromofluorobenzene	*			**10.2**	10.00		101.5			04/24/2024

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24041607
Client Project: J044644.02
Report Date: 29-Apr-24

Carrier: Employee
Received By: WAO

Completed by: Amber Dilallo
On: 18-Apr-24

Reviewed by: Ellie Hopkins
On: 19-Apr-24

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	N/A
Type of thermal preservation?	None ☑	Ice ☐	Blue Ice ☐	Dry Ice ☐	
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑		
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.					
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑		
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑		
Water - pH acceptable upon receipt?	Yes ☐	No ☐	NA ☑		
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑		

Any No responses must be detailed below or on the COC.

Samples were transferred to Collinsville Air Lab on 4/19/24 at 0922. - ehopkins - 4/19/2024 9:30:36 AM

Clients sample ID, canister ID and clients final vacuum gauge readings followed by readings taken upon arrival at the laboratory. Ideal vacuum on sampled canisters is between -5 and -12 "Hg. - kkizer - 4/19/2024 3:40:44 PM
SVP-1 00866 -5/-2
SVP-2 00677 -5/-6
SVP-3 00670 -3/-5
SVP-4 00656 -5/-4
SVP-5 00872 -4/-3
SVP-6 00869 -5/-5 Canister received SN: 864 (SLB 04/22/2024 10:32:39 AM)
SVP-7 00861 -4/-3.5
SVP-8 0881 -3/-6

TEKLAB, INC.
5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

pg 1 of 1 Lab Work Order # 24041607

AIR SAMPLING FIELD FORM AND CHAIN OF CUSTODY

Client Name: Geotechnology dba UES
Address: 11616 Lackland Rd, Suite 150
Phone: 314-304-5871
Email: Slamble@teamUES.com
Project ID: J044644.02
Project Manager: Kenny Hemmen
Sampler: Seth Lamble
PO Number:

Results Requested (check one)
- X Standard (7-10 day)
- ___ 1 Day (200% surcharge)
- ___ 2-3 Day (100% surcharge)
- ___ 4-5 Day (50% surcharge)

Sample Type (check one)
- ___ Ambient Air
- X Soil Gas/Vapor
- ___ Indoor Air
- ___ Landfill Gas
- ___ Indoor Sub-Slab
- ___ Other (specify)
- ___ Stack

Lab Use Only: Sample pick up: ___Y ✓N Samples on: ___Ice/Blue ✓No Ice, N/A Temp. °C

Comments:

Lab Use Only				Sample Start Parameters			Sample Stop Parameters			Requested Analysis (list metals/other below in comments)						
Laboratory ID	Sample Identification	Canister Number	Controller Number	Date	Time	Vacuum (in. Hg)	Date	Time	Vacuum (in. Hg)	TO-15 Lists (circle) Standard / Extended	TO-15 select BTEX MBTE Naphthalene Isopropanol TPH-GRO	TO-13	TO-4	PM10/ TSP	Metals	Other
24041607-001	SVP-1	00666	243	4/16	0810	-29.52	4/16	0830	-3	X						
002	SVP-2	00677	211	4/16	0833	-29.53	4/16	0853	-3	X						
003	SVP-3	00670	224	4/16	0846	-29.57	4/16	0906	-3	X						
004	SVP-4	00652	258	4/16	0905	-29.38	4/16	0926	-5	X						
005	SVP-5	00672	225	4/16	0933	-29.41	4/16	0952	-4	X						
006	SVP-6	00669	232	4/16	0948	-29.56	4/16	1019	-3	X						
007	SVP-7 DUP	00624	248	4/16	0748	-29.57	4/16	0808	-4	X						
008	SVP-8 DUP	00661	251	4/16	0648	-29.57	4/16	0908	-3	X						

Are these samples known to be involved in litigation? If yes, a level IV data package will be generated and a surcharge will apply. ___Yes X No
Are these samples known to be hazardous? ___Yes X No
Special QC Requirements/Special Instructions/Comments:

Shipping Company and Tracking Number:

Relinquished By	Date/Time	Received By	Date/Time
	4/18/24 12:01		4/18/24 12:01
	4/18/24 12:01		4/19/24 9:22

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

White & Yellow Copy - Laboratory Pink Copy - Sampler

Rev C 12.16.2019

April 23, 2024

Seth Lamble
Geotechnology, Inc.
11816 Lackland Road
St. Louis, MO 63146
TEL: (314) 997-7440
FAX: (314) 997-2067

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: J044644.02 **WorkOrder:** 24041609

Dear Seth Lamble:

TEKLAB, INC received 1 sample on 4/18/2024 12:04:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Patrick Riley

Patrick Riley
Project Manager
(618)344-1004 ex 44
patrickriley@teklabinc.com

Report Contents

Client: Geotechnology, Inc.
Work Order: 24041609
Client Project: J044644.02
Report Date: 23-Apr-24

This reporting package includes the following:

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Geotechnology, Inc.
Work Order: 24041609

Client Project: J044644.02
Report Date: 23-Apr-24

Qualifiers

- # - Unknown hydrocarbon
- B - Analyte detected in associated Method Blank
- C - RL shown is a Client Requested Quantitation Limit
- E - Value above quantitation range
- H - Holding times exceeded
- I - Associated internal standard was outside method criteria
- J - Analyte detected below quantitation limits
- M - Manual Integration used to determine area response
- ND - Not Detected at the Reporting Limit
- R - RPD outside accepted recovery limits
- S - Spike Recovery outside recovery limits
- T - TIC(Tentatively identified compound)
- X - Value exceeds Maximum Contaminant Level

Case Narrative

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Client Project: J044644.02

Work Order: 24041609
Report Date: 23-Apr-24

Cooler Receipt Temp: 14.1 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

Lab ID: 24041609-001 **Client Sample ID:** SVP-9 EB

Matrix: AQUEOUS **Collection Date:** 04/18/2024 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,1,1-Trichloroethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,1,2,2-Tetrachloroethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		ND	µg/L	1	04/19/2024 13:03	221698
1,1,2-Trichloroethane	NELAP	0.5		ND	µg/L	1	04/19/2024 13:03	221698
1,1-Dichloro-2-propanone	*	30.0		ND	µg/L	1	04/19/2024 13:03	221698
1,1-Dichloroethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,1-Dichloroethene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,1-Dichloropropene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2,3-Trichlorobenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2,3-Trichloropropane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2,3-Trimethylbenzene	*	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2,4-Trichlorobenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2,4-Trimethylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2-Dibromo-3-chloropropane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2-Dibromoethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2-Dichlorobenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2-Dichloroethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,2-Dichloropropane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,3,5-Trimethylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,3-Dichlorobenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,3-Dichloropropane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1,4-Dichlorobenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
2,2-Dichloropropane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
2-Butanone	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
2-Chloroethyl vinyl ether	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
2-Chlorotoluene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
2-Hexanone	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
2-Nitropropane	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
4-Chlorotoluene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
4-Methyl-2-pentanone	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
Acetone	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
Acetonitrile	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
Acrolein	NELAP	20.0		ND	µg/L	1	04/19/2024 13:03	221698
Acrylonitrile	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Allyl chloride	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Benzene	NELAP	0.5		ND	µg/L	1	04/19/2024 13:03	221698
Bromobenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Bromochloromethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Bromodichloromethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Bromoform	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Bromomethane	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Carbon disulfide	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Carbon tetrachloride	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Chlorobenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Chloroethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

Lab ID: 24041609-001 **Client Sample ID:** SVP-9 EB

Matrix: AQUEOUS **Collection Date:** 04/18/2024 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Chloromethane	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Chloroprene	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
cis-1,2-Dichloroethene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
cis-1,3-Dichloropropene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
cis-1,4-Dichloro-2-butene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Cyclohexanone	*	20.0		ND	µg/L	1	04/19/2024 13:03	221698
Dibromochloromethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Dibromomethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Dichlorodifluoromethane	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Ethyl acetate	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
Ethyl ether	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Ethylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Hexachloroethane	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Iodomethane	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Isopropylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
m,p-Xylenes	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Methacrylonitrile	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Methylacrylate	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Methylene chloride	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Naphthalene	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
n-Butyl acetate	*	2.0		ND	µg/L	1	04/19/2024 13:03	221698
n-Butylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
n-Heptane	*	5.0		ND	µg/L	1	04/19/2024 13:03	221698
n-Hexane	*	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Nitrobenzene	NELAP	50.0		ND	µg/L	1	04/19/2024 13:03	221698
n-Propylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
o-Xylene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Pentachloroethane	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
p-Isopropyltoluene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Propionitrile	NELAP	10.0		ND	µg/L	1	04/19/2024 13:03	221698
sec-Butylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Styrene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
tert-Butylbenzene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Tetrachloroethene	NELAP	0.5		ND	µg/L	1	04/19/2024 13:03	221698
Tetrahydrofuran	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Toluene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
trans-1,2-Dichloroethene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
trans-1,3-Dichloropropene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
trans-1,4-Dichloro-2-butene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Trichloroethene	NELAP	2.0		ND	µg/L	1	04/19/2024 13:03	221698
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698
Vinyl acetate	NELAP	5.0		ND	µg/L	1	04/19/2024 13:03	221698

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

Lab ID: 24041609-001 **Client Sample ID:** SVP-9 EB

Matrix: AQUEOUS **Collection Date:** 04/18/2024 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		**ND**	µg/L	1	04/19/2024 13:03	221698
Surr: 1,2-Dichloroethane-d4	*	80-120		**107.3**	%REC	1	04/19/2024 13:03	221698
Surr: 4-Bromofluorobenzene	*	80-120		**99.0**	%REC	1	04/19/2024 13:03	221698
Surr: Dibromofluoromethane	*	80-120		**101.2**	%REC	1	04/19/2024 13:03	221698
Surr: Toluene-d8	*	80-120		**100.7**	%REC	1	04/19/2024 13:03	221698

RPD for LCS/LCSD was outside of QC limit.

Allowable Marginal Exceedance of 1,2,3-Trichlorobenzene and Naphthalene in the laboratory control sample is verified per the TNI Standard.

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** MBLK Units µg/L

SampID: MBLK-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		ND						04/19/2024
1,1,1-Trichloroethane	*	2.0		ND						04/19/2024
1,1,2,2-Tetrachloroethane	*	2.0		ND						04/19/2024
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		ND						04/19/2024
1,1,2-Trichloroethane	*	0.5		ND						04/19/2024
1,1-Dichloro-2-propanone	*	30.0		ND						04/19/2024
1,1-Dichloroethane	*	2.0		ND						04/19/2024
1,1-Dichloroethene	*	2.0		ND						04/19/2024
1,1-Dichloropropene	*	2.0		ND						04/19/2024
1,2,3-Trichlorobenzene	*	2.0		ND						04/19/2024
1,2,3-Trichloropropane	*	2.0		ND						04/19/2024
1,2,3-Trimethylbenzene	*	2.0		ND						04/19/2024
1,2,4-Trichlorobenzene	*	2.0		ND						04/19/2024
1,2,4-Trimethylbenzene	*	2.0		ND						04/19/2024
1,2-Dibromo-3-chloropropane	*	5.0		ND						04/19/2024
1,2-Dibromoethane	*	2.0		ND						04/19/2024
1,2-Dichlorobenzene	*	2.0		ND						04/19/2024
1,2-Dichloroethane	*	2.0		ND						04/19/2024
1,2-Dichloropropane	*	2.0		ND						04/19/2024
1,3,5-Trimethylbenzene	*	2.0		ND						04/19/2024
1,3-Dichlorobenzene	*	2.0		ND						04/19/2024
1,3-Dichloropropane	*	2.0		ND						04/19/2024
1,4-Dichlorobenzene	*	2.0		ND						04/19/2024
1-Chlorobutane	*	5.0		ND						04/19/2024
2,2-Dichloropropane	*	2.0		ND						04/19/2024
2-Butanone	*	10.0		ND						04/19/2024
2-Chloroethyl vinyl ether	*	5.0		ND						04/19/2024
2-Chlorotoluene	*	2.0		ND						04/19/2024
2-Hexanone	*	10.0		ND						04/19/2024
2-Nitropropane	*	10.0		ND						04/19/2024
4-Chlorotoluene	*	2.0		ND						04/19/2024
4-Methyl-2-pentanone	*	10.0		ND						04/19/2024
Acetone	*	10.0		ND						04/19/2024
Acetonitrile	*	10.0		ND						04/19/2024
Acrolein	*	20.0		ND						04/19/2024
Acrylonitrile	*	5.0		ND						04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** MBLK Units µg/L

SampID: MBLK-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Allyl chloride	*	5.0		ND						04/19/2024
Benzene	*	0.5		ND						04/19/2024
Bromobenzene	*	2.0		ND						04/19/2024
Bromochloromethane	*	2.0		ND						04/19/2024
Bromodichloromethane	*	2.0		ND						04/19/2024
Bromoform	*	2.0		ND						04/19/2024
Bromomethane	*	5.0		ND						04/19/2024
Carbon disulfide	*	2.0		ND						04/19/2024
Carbon tetrachloride	*	2.0		ND						04/19/2024
Chlorobenzene	*	2.0		ND						04/19/2024
Chloroethane	*	2.0		ND						04/19/2024
Chloroform	*	2.0		ND						04/19/2024
Chloromethane	*	5.0		ND						04/19/2024
Chloroprene	*	5.0		ND						04/19/2024
cis-1,2-Dichloroethene	*	2.0		ND						04/19/2024
cis-1,3-Dichloropropene	*	2.0		ND						04/19/2024
cis-1,4-Dichloro-2-butene	*	2.0		ND						04/19/2024
Cyclohexanone	*	20.0		ND						04/19/2024
Dibromochloromethane	*	2.0		ND						04/19/2024
Dibromomethane	*	2.0		ND						04/19/2024
Dichlorodifluoromethane	*	2.0		ND						04/19/2024
Ethyl acetate	*	10.0		ND						04/19/2024
Ethyl ether	*	5.0		ND						04/19/2024
Ethyl methacrylate	*	5.0		ND						04/19/2024
Ethylbenzene	*	2.0		ND						04/19/2024
Hexachlorobutadiene	*	5.0		ND						04/19/2024
Hexachloroethane	*	5.0		ND						04/19/2024
Iodomethane	*	5.0		ND						04/19/2024
Isopropylbenzene	*	2.0		ND						04/19/2024
m,p-Xylenes	*	2.0		ND						04/19/2024
Methacrylonitrile	*	5.0		ND						04/19/2024
Methyl Methacrylate	*	5.0		ND						04/19/2024
Methyl tert-butyl ether	*	2.0		ND						04/19/2024
Methylacrylate	*	5.0		ND						04/19/2024
Methylene chloride	*	2.0		ND						04/19/2024
Naphthalene	*	5.0		ND						04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
n-Butyl acetate	*	2.0		**ND**						04/19/2024
n-Butylbenzene	*	2.0		**ND**						04/19/2024
n-Heptane	*	5.0		**ND**						04/19/2024
n-Hexane	*	5.0		**ND**						04/19/2024
Nitrobenzene	*	50.0		**ND**						04/19/2024
n-Propylbenzene	*	2.0		**ND**						04/19/2024
o-Xylene	*	2.0		**ND**						04/19/2024
Pentachloroethane	*	5.0		**ND**						04/19/2024
p-Isopropyltoluene	*	2.0		**ND**						04/19/2024
Propionitrile	*	10.0		**ND**						04/19/2024
sec-Butylbenzene	*	2.0		**ND**						04/19/2024
Styrene	*	2.0		**ND**						04/19/2024
tert-Butylbenzene	*	2.0		**ND**						04/19/2024
Tetrachloroethene	*	0.5		**ND**						04/19/2024
Tetrahydrofuran	*	5.0		**ND**						04/19/2024
Toluene	*	2.0		**ND**						04/19/2024
trans-1,2-Dichloroethene	*	2.0		**ND**						04/19/2024
trans-1,3-Dichloropropene	*	2.0		**ND**						04/19/2024
trans-1,4-Dichloro-2-butene	*	2.0		**ND**						04/19/2024
Trichloroethene	*	2.0		**ND**						04/19/2024
Trichlorofluoromethane	*	5.0		**ND**						04/19/2024
Vinyl acetate	*	5.0		**ND**						04/19/2024
Vinyl chloride	*	2.0		**ND**						04/19/2024
Surr: 1,2-Dichloroethane-d4	*			**52.9**	50.00		105.7	80	120	04/19/2024
Surr: 4-Bromofluorobenzene	*			**50.8**	50.00		101.6	80	120	04/19/2024
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.4	80	120	04/19/2024
Surr: Toluene-d8	*			**50.1**	50.00		100.3	80	120	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCS Units µg/L

SampID: LCS-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		**49.1**	50.00	0	98.1	86.1	117	04/19/2024
1,1,1-Trichloroethane	*	2.0		**50.6**	50.00	0	101.3	82.1	129	04/19/2024
1,1,2,2-Tetrachloroethane	*	2.0		**49.3**	50.00	0	98.5	73.2	119	04/19/2024
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		**47.1**	50.00	0	94.2	75.5	127	04/19/2024
1,1,2-Trichloroethane	*	0.5		**47.7**	50.00	0	95.4	84.3	114	04/19/2024
1,1-Dichloro-2-propanone	*	30.0		**127**	125.0	0	101.2	74.2	121	04/19/2024
1,1-Dichloroethane	*	2.0		**48.4**	50.00	0	96.7	81.2	123	04/19/2024
1,1-Dichloroethene	*	2.0		**46.9**	50.00	0	93.7	76.5	122	04/19/2024
1,1-Dichloropropene	*	2.0		**47.9**	50.00	0	95.8	81.9	123	04/19/2024
1,2,3-Trichlorobenzene	*	2.0		**43.9**	50.00	0	87.8	79	125	04/19/2024
1,2,3-Trichloropropane	*	2.0		**48.3**	50.00	0	96.7	77.5	114	04/19/2024
1,2,3-Trimethylbenzene	*	2.0		**44.3**	50.00	0	88.6	75.7	119	04/19/2024
1,2,4-Trichlorobenzene	*	2.0		**42.7**	50.00	0	85.4	78.4	125	04/19/2024
1,2,4-Trimethylbenzene	*	2.0		**44.2**	50.00	0	88.4	72.9	125	04/19/2024
1,2-Dibromo-3-chloropropane	*	5.0		**52.0**	50.00	0	104.0	69.4	125	04/19/2024
1,2-Dibromoethane	*	2.0		**47.7**	50.00	0	95.3	84.5	114	04/19/2024
1,2-Dichlorobenzene	*	2.0		**44.7**	50.00	0	89.3	80.9	114	04/19/2024
1,2-Dichloroethane	*	2.0		**50.4**	50.00	0	100.8	78	121	04/19/2024
1,2-Dichloropropane	*	2.0		**46.7**	50.00	0	93.5	81.2	121	04/19/2024
1,3,5-Trimethylbenzene	*	2.0		**45.2**	50.00	0	90.4	76.5	125	04/19/2024
1,3-Dichlorobenzene	*	2.0		**46.8**	50.00	0	93.6	81.9	117	04/19/2024
1,3-Dichloropropane	*	2.0		**49.1**	50.00	0	98.2	82.3	112	04/19/2024
1,4-Dichlorobenzene	*	2.0		**46.8**	50.00	0	93.6	81.7	116	04/19/2024
1-Chlorobutane	*	5.0		**48.5**	50.00	0	97.1	81.5	126	04/19/2024
2,2-Dichloropropane	*	2.0		**49.4**	50.00	0	98.7	61.2	153	04/19/2024
2-Butanone	*	10.0		**124**	125.0	0	99.4	74.5	133	04/19/2024
2-Chloroethyl vinyl ether	*	5.0		**45.8**	50.00	0	91.6	55.8	136	04/19/2024
2-Chlorotoluene	*	2.0		**46.7**	50.00	0	93.4	75.6	121	04/19/2024
2-Hexanone	*	10.0		**120**	125.0	0	95.9	68.6	130	04/19/2024
2-Nitropropane	*	10.0		**539**	500.0	0	107.7	77.8	139	04/19/2024
4-Chlorotoluene	*	2.0		**46.9**	50.00	0	93.7	73.9	124	04/19/2024
4-Methyl-2-pentanone	*	10.0		**121**	125.0	0	97.0	76.1	122	04/19/2024
Acetone	*	10.0		**124**	125.0	0	99.4	70.5	138	04/19/2024
Acetonitrile	*	10.0		**507**	500.0	0	101.5	71.2	140	04/19/2024
Acrolein	*	20.0		**511**	500.0	0	102.2	23.6	157	04/19/2024
Acrylonitrile	*	5.0		**51.4**	50.00	0	102.8	77.4	130	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCS Units µg/L

SampID: LCS-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Allyl chloride	*	5.0		**53.0**	50.00	0	106.0	77.2	130	04/19/2024
Benzene	*	0.5		**46.7**	50.00	0	93.4	81.6	120	04/19/2024
Bromobenzene	*	2.0		**48.0**	50.00	0	96.1	84	114	04/19/2024
Bromochloromethane	*	2.0		**47.0**	50.00	0	94.1	74.2	124	04/19/2024
Bromodichloromethane	*	2.0		**50.6**	50.00	0	101.3	83.8	124	04/19/2024
Bromoform	*	2.0		**48.4**	50.00	0	96.7	81.5	118	04/19/2024
Bromomethane	*	5.0		**29.2**	50.00	0	58.3	1	260	04/19/2024
Carbon disulfide	*	2.0		**46.6**	50.00	0	93.2	77.2	128	04/19/2024
Carbon tetrachloride	*	2.0		**50.4**	50.00	0	100.9	79.6	131	04/19/2024
Chlorobenzene	*	2.0		**46.4**	50.00	0	92.7	84.2	114	04/19/2024
Chloroethane	*	2.0		**45.0**	50.00	0	89.9	72.5	120	04/19/2024
Chloroform	*	2.0		**48.9**	50.00	0	97.8	82.6	122	04/19/2024
Chloromethane	*	5.0		**34.6**	50.00	0	69.3	51.8	128	04/19/2024
Chloroprene	*	5.0		**49.4**	50.00	0	98.8	78.3	127	04/19/2024
cis-1,2-Dichloroethene	*	2.0		**47.6**	50.00	0	95.2	82.9	124	04/19/2024
cis-1,3-Dichloropropene	*	2.0		**49.1**	50.00	0	98.1	85.2	128	04/19/2024
cis-1,4-Dichloro-2-butene	*	2.0		**45.2**	50.00	0	90.3	53.3	134	04/19/2024
Cyclohexanone	*	20.0		**488**	500.0	0	97.7	64.1	126	04/19/2024
Dibromochloromethane	*	2.0		**50.8**	50.00	0	101.6	86.6	119	04/19/2024
Dibromomethane	*	2.0		**51.1**	50.00	0	102.2	83.5	126	04/19/2024
Dichlorodifluoromethane	*	2.0		**41.9**	50.00	0	83.8	33.1	144	04/19/2024
Ethyl acetate	*	10.0		**49.0**	50.00	0	98.1	70.7	126	04/19/2024
Ethyl ether	*	5.0		**50.3**	50.00	0	100.6	78.5	124	04/19/2024
Ethyl methacrylate	*	5.0		**51.2**	50.00	0	102.3	83.9	122	04/19/2024
Ethylbenzene	*	2.0		**47.1**	50.00	0	94.1	82.4	116	04/19/2024
Hexachlorobutadiene	*	5.0		**43.0**	50.00	0	85.9	70.2	133	04/19/2024
Hexachloroethane	*	5.0		**47.6**	50.00	0	95.1	73.6	128	04/19/2024
Iodomethane	*	5.0		**36.3**	50.00	0	72.7	14	188	04/19/2024
Isopropylbenzene	*	2.0		**44.2**	50.00	0	88.3	80.2	118	04/19/2024
m,p-Xylenes	*	2.0		**93.5**	100.0	0	93.5	82.5	117	04/19/2024
Methacrylonitrile	*	5.0		**50.7**	50.00	0	101.4	82.4	123	04/19/2024
Methyl Methacrylate	*	5.0		**48.5**	50.00	0	97.1	78	129	04/19/2024
Methyl tert-butyl ether	*	2.0		**49.4**	50.00	0	98.7	82.9	126	04/19/2024
Methylacrylate	*	5.0		**50.8**	50.00	0	101.6	83.2	125	04/19/2024
Methylene chloride	*	2.0		**47.1**	50.00	0	94.2	75.3	122	04/19/2024
Naphthalene	*	5.0		**40.9**	50.00	0	81.7	71	126	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCS Units **µg/L**

SampID: LCS-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
n-Butyl acetate	*	2.0		**48.4**	50.00	0	96.8	68.3	128	04/19/2024
n-Butylbenzene	*	2.0		**41.8**	50.00	0	83.7	70.2	125	04/19/2024
n-Heptane	*	5.0		**46.6**	50.00	0	93.1	50.2	161	04/19/2024
n-Hexane	*	5.0		**44.5**	50.00	0	89.1	55.5	132	04/19/2024
Nitrobenzene	*	50.0		**493**	500.0	0	98.7	57.8	129	04/19/2024
n-Propylbenzene	*	2.0		**46.3**	50.00	0	92.5	74.2	124	04/19/2024
o-Xylene	*	2.0		**46.3**	50.00	0	92.6	83	114	04/19/2024
Pentachloroethane	*	5.0		**48.5**	50.00	0	97.1	82	121	04/19/2024
p-Isopropyltoluene	*	2.0		**44.1**	50.00	0	88.1	77.1	126	04/19/2024
Propionitrile	*	10.0		**515**	500.0	0	102.9	79.4	133	04/19/2024
sec-Butylbenzene	*	2.0		**44.4**	50.00	0	88.7	76.6	128	04/19/2024
Styrene	*	2.0		**46.0**	50.00	0	91.9	85.8	117	04/19/2024
tert-Butylbenzene	*	2.0		**46.8**	50.00	0	93.7	73.2	125	04/19/2024
Tetrachloroethene	*	0.5		**46.0**	50.00	0	92.0	76.6	122	04/19/2024
Tetrahydrofuran	*	5.0		**47.9**	50.00	0	95.9	68.2	129	04/19/2024
Toluene	*	2.0		**46.7**	50.00	0	93.4	82.3	113	04/19/2024
trans-1,2-Dichloroethene	*	2.0		**48.3**	50.00	0	96.5	79.9	124	04/19/2024
trans-1,3-Dichloropropene	*	2.0		**50.3**	50.00	0	100.6	79.8	122	04/19/2024
trans-1,4-Dichloro-2-butene	*	2.0		**46.7**	50.00	0	93.3	48.3	138	04/19/2024
Trichloroethene	*	2.0		**47.8**	50.00	0	95.5	81.4	125	04/19/2024
Trichlorofluoromethane	*	5.0		**52.0**	50.00	0	104.1	75.9	127	04/19/2024
Vinyl acetate	*	5.0		**51.3**	50.00	0	102.5	78.7	134	04/19/2024
Vinyl chloride	*	2.0		**47.3**	50.00	0	94.5	65.3	140	04/19/2024
Surr: 1,2-Dichloroethane-d4	*			**52.7**	50.00		105.3	80	120	04/19/2024
Surr: 4-Bromofluorobenzene	*			**50.2**	50.00		100.4	80	120	04/19/2024
Surr: Dibromofluoromethane	*			**51.1**	50.00		102.1	80	120	04/19/2024
Surr: Toluene-d8	*			**49.2**	50.00		98.4	80	120	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		**47.8**	50.00	0	95.6	49.06	2.58	04/19/2024
1,1,1-Trichloroethane	*	2.0		**50.8**	50.00	0	101.5	50.64	0.24	04/19/2024
1,1,2,2-Tetrachloroethane	*	2.0		**46.8**	50.00	0	93.7	49.26	5.04	04/19/2024
1,1,2-Trichloro-1,2,2-trifluoroethane	*	5.0		**47.5**	50.00	0	95.0	47.11	0.78	04/19/2024
1,1,2-Trichloroethane	*	0.5		**46.5**	50.00	0	92.9	47.72	2.68	04/19/2024
1,1-Dichloro-2-propanone	*	30.0		**116**	125.0	0	93.2	126.5	8.25	04/19/2024
1,1-Dichloroethane	*	2.0		**48.0**	50.00	0	95.9	48.36	0.81	04/19/2024
1,1-Dichloroethene	*	2.0		**46.8**	50.00	0	93.5	46.86	0.19	04/19/2024
1,1-Dichloropropene	*	2.0		**48.1**	50.00	0	96.3	47.90	0.50	04/19/2024
1,2,3-Trichlorobenzene	*	2.0	S	**38.4**	50.00	0	76.8	43.88	13.29	04/19/2024
1,2,3-Trichloropropane	*	2.0		**46.1**	50.00	0	92.2	48.34	4.72	04/19/2024
1,2,3-Trimethylbenzene	*	2.0		**40.9**	50.00	0	81.9	44.32	7.93	04/19/2024
1,2,4-Trichlorobenzene	*	2.0		**39.2**	50.00	0	78.4	42.71	8.62	04/19/2024
1,2,4-Trimethylbenzene	*	2.0		**41.7**	50.00	0	83.3	44.22	5.94	04/19/2024
1,2-Dibromo-3-chloropropane	*	5.0		**47.2**	50.00	0	94.4	51.99	9.64	04/19/2024
1,2-Dibromoethane	*	2.0		**45.6**	50.00	0	91.3	47.67	4.35	04/19/2024
1,2-Dichlorobenzene	*	2.0		**42.1**	50.00	0	84.2	44.66	5.93	04/19/2024
1,2-Dichloroethane	*	2.0		**48.3**	50.00	0	96.7	50.42	4.23	04/19/2024
1,2-Dichloropropane	*	2.0		**45.7**	50.00	0	91.4	46.74	2.23	04/19/2024
1,3,5-Trimethylbenzene	*	2.0		**43.1**	50.00	0	86.3	45.18	4.62	04/19/2024
1,3-Dichlorobenzene	*	2.0		**44.2**	50.00	0	88.5	46.81	5.62	04/19/2024
1,3-Dichloropropane	*	2.0		**47.9**	50.00	0	95.8	49.11	2.47	04/19/2024
1,4-Dichlorobenzene	*	2.0		**43.9**	50.00	0	87.9	46.78	6.26	04/19/2024
1-Chlorobutane	*	5.0		**49.7**	50.00	0	99.5	48.53	2.46	04/19/2024
2,2-Dichloropropane	*	2.0		**48.2**	50.00	0	96.4	49.37	2.42	04/19/2024
2-Butanone	*	10.0		**116**	125.0	0	92.9	124.3	6.79	04/19/2024
2-Chloroethyl vinyl ether	*	5.0		**45.4**	50.00	0	90.9	45.78	0.77	04/19/2024
2-Chlorotoluene	*	2.0		**44.6**	50.00	0	89.3	46.69	4.51	04/19/2024
2-Hexanone	*	10.0		**110**	125.0	0	88.3	119.9	8.27	04/19/2024
2-Nitropropane	*	10.0		**500**	500.0	0	100.0	538.7	7.48	04/19/2024
4-Chlorotoluene	*	2.0		**44.8**	50.00	0	89.7	46.87	4.43	04/19/2024
4-Methyl-2-pentanone	*	10.0		**113**	125.0	0	90.0	121.2	7.40	04/19/2024
Acetone	*	10.0		**116**	125.0	0	92.7	124.3	7.02	04/19/2024
Acetonitrile	*	10.0		**471**	500.0	0	94.1	507.3	7.51	04/19/2024
Acrolein	*	20.0		**504**	500.0	0	100.9	511.0	1.32	04/19/2024
Acrylonitrile	*	5.0		**47.6**	50.00	0	95.2	51.40	7.72	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCSD Units µg/L RPD Limit 20

SampID: LCSD-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Allyl chloride	*	5.0		**53.5**	50.00	0	106.9	52.99	0.90	04/19/2024
Benzene	*	0.5		**46.4**	50.00	0	92.8	46.69	0.58	04/19/2024
Bromobenzene	*	2.0		**45.6**	50.00	0	91.2	48.04	5.23	04/19/2024
Bromochloromethane	*	2.0		**45.4**	50.00	0	90.9	47.05	3.50	04/19/2024
Bromodichloromethane	*	2.0		**49.3**	50.00	0	98.6	50.63	2.70	04/19/2024
Bromoform	*	2.0		**45.8**	50.00	0	91.6	48.35	5.46	04/19/2024
Bromomethane	*	5.0	R	**38.1**	50.00	0	76.3	29.17	26.65	04/19/2024
Carbon disulfide	*	2.0		**46.6**	50.00	0	93.3	46.58	0.13	04/19/2024
Carbon tetrachloride	*	2.0		**50.8**	50.00	0	101.7	50.45	0.77	04/19/2024
Chlorobenzene	*	2.0		**45.2**	50.00	0	90.3	46.37	2.64	04/19/2024
Chloroethane	*	2.0		**48.6**	50.00	0	97.1	44.96	7.68	04/19/2024
Chloroform	*	2.0		**47.8**	50.00	0	95.6	48.88	2.28	04/19/2024
Chloromethane	*	5.0		**38.8**	50.00	0	77.6	34.63	11.36	04/19/2024
Chloroprene	*	5.0		**49.9**	50.00	0	99.8	49.42	0.95	04/19/2024
cis-1,2-Dichloroethene	*	2.0		**46.4**	50.00	0	92.8	47.59	2.53	04/19/2024
cis-1,3-Dichloropropene	*	2.0		**47.9**	50.00	0	95.8	49.07	2.41	04/19/2024
cis-1,4-Dichloro-2-butene	*	2.0		**41.1**	50.00	0	82.2	45.15	9.39	04/19/2024
Cyclohexanone	*	20.0		**469**	500.0	0	93.7	488.4	4.11	04/19/2024
Dibromochloromethane	*	2.0		**49.0**	50.00	0	97.9	50.78	3.67	04/19/2024
Dibromomethane	*	2.0		**49.8**	50.00	0	99.6	51.09	2.58	04/19/2024
Dichlorodifluoromethane	*	2.0		**46.2**	50.00	0	92.3	41.91	9.67	04/19/2024
Ethyl acetate	*	10.0		**47.0**	50.00	0	94.0	49.05	4.25	04/19/2024
Ethyl ether	*	5.0		**47.8**	50.00	0	95.6	50.28	5.10	04/19/2024
Ethyl methacrylate	*	5.0		**49.3**	50.00	0	98.5	51.17	3.80	04/19/2024
Ethylbenzene	*	2.0		**45.0**	50.00	0	90.0	47.07	4.45	04/19/2024
Hexachlorobutadiene	*	5.0		**37.1**	50.00	0	74.2	42.95	14.64	04/19/2024
Hexachloroethane	*	5.0		**45.9**	50.00	0	91.7	47.56	3.64	04/19/2024
Iodomethane	*	5.0		**34.0**	50.00	0	68.1	36.33	6.51	04/19/2024
Isopropylbenzene	*	2.0		**41.9**	50.00	0	83.8	44.16	5.30	04/19/2024
m,p-Xylenes	*	2.0		**89.0**	100.0	0	89.0	93.50	4.97	04/19/2024
Methacrylonitrile	*	5.0		**48.5**	50.00	0	96.9	50.70	4.50	04/19/2024
Methyl Methacrylate	*	5.0		**45.9**	50.00	0	91.8	48.54	5.59	04/19/2024
Methyl tert-butyl ether	*	2.0		**51.0**	50.00	0	102.1	49.35	3.37	04/19/2024
Methylacrylate	*	5.0		**46.6**	50.00	0	93.2	50.78	8.56	04/19/2024
Methylene chloride	*	2.0		**45.5**	50.00	0	91.1	47.10	3.37	04/19/2024
Naphthalene	*	5.0	S	**35.3**	50.00	0	70.5	40.87	14.74	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCSD Units **µg/L** RPD Limit **20**

SampID: LCSD-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
n-Butyl acetate	*	2.0		**45.7**	50.00	0	91.5	48.40	5.65	04/19/2024
n-Butylbenzene	*	2.0		**38.4**	50.00	0	76.8	41.83	8.58	04/19/2024
n-Heptane	*	5.0		**44.8**	50.00	0	89.7	46.57	3.76	04/19/2024
n-Hexane	*	5.0		**42.7**	50.00	0	85.4	44.53	4.20	04/19/2024
Nitrobenzene	*	50.0		**455**	500.0	0	90.9	493.4	8.18	04/19/2024
n-Propylbenzene	*	2.0		**43.8**	50.00	0	87.6	46.26	5.51	04/19/2024
o-Xylene	*	2.0		**44.0**	50.00	0	88.0	46.28	5.03	04/19/2024
Pentachloroethane	*	5.0		**45.6**	50.00	0	91.1	48.53	6.29	04/19/2024
p-Isopropyltoluene	*	2.0		**42.0**	50.00	0	84.0	44.06	4.74	04/19/2024
Propionitrile	*	10.0		**475**	500.0	0	94.9	514.7	8.10	04/19/2024
sec-Butylbenzene	*	2.0		**41.3**	50.00	0	82.7	44.37	7.07	04/19/2024
Styrene	*	2.0		**43.8**	50.00	0	87.5	45.95	4.86	04/19/2024
tert-Butylbenzene	*	2.0		**44.1**	50.00	0	88.2	46.85	6.07	04/19/2024
Tetrachloroethene	*	0.5		**45.7**	50.00	0	91.4	46.01	0.65	04/19/2024
Tetrahydrofuran	*	5.0		**43.8**	50.00	0	87.5	47.93	9.12	04/19/2024
Toluene	*	2.0		**45.5**	50.00	0	91.0	46.72	2.67	04/19/2024
trans-1,2-Dichloroethene	*	2.0		**48.4**	50.00	0	96.8	48.27	0.29	04/19/2024
trans-1,3-Dichloropropene	*	2.0		**48.3**	50.00	0	96.6	50.32	4.08	04/19/2024
trans-1,4-Dichloro-2-butene	*	2.0		**43.8**	50.00	0	87.7	46.67	6.28	04/19/2024
Trichloroethene	*	2.0		**47.5**	50.00	0	95.1	47.75	0.44	04/19/2024
Trichlorofluoromethane	*	5.0		**57.3**	50.00	0	114.5	52.03	9.59	04/19/2024
Vinyl acetate	*	5.0		**50.6**	50.00	0	101.2	51.26	1.28	04/19/2024
Vinyl chloride	*	2.0		**53.0**	50.00	0	106.0	47.27	11.41	04/19/2024
Surr: 1,2-Dichloroethane-d4	*			**53.1**	50.00		106.2			04/19/2024
Surr: 4-Bromofluorobenzene	*			**50.6**	50.00		101.2			04/19/2024
Surr: Dibromofluoromethane	*			**52.6**	50.00		105.3			04/19/2024
Surr: Toluene-d8	*			**50.4**	50.00		100.8			04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCS Units µg/L

SampID: QCS-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		**49.1**	50.00	0	98.1	60	140	04/19/2024
1,1,1-Trichloroethane		2.0		**50.6**	50.00	0	101.3	70	130	04/19/2024
1,1,2,2-Tetrachloroethane		2.0		**49.3**	50.00	0	98.5	60	140	04/19/2024
1,1,2-Trichloro-1,2,2-trifluoroethane		5.0		**47.1**	50.00	0	94.2	60	140	04/19/2024
1,1,2-Trichloroethane		0.5		**47.7**	50.00	0	95.4	70	130	04/19/2024
1,1-Dichloro-2-propanone		30.0		**127**	125.0	0	101.2	60	140	04/19/2024
1,1-Dichloroethane		2.0		**48.4**	50.00	0	96.7	70	130	04/19/2024
1,1-Dichloroethene		2.0		**46.9**	50.00	0	93.7	50	150	04/19/2024
1,1-Dichloropropene	*	2.0		**47.9**	50.00	0	95.8	60	140	04/19/2024
1,2,3-Trichlorobenzene	*	2.0		**43.9**	50.00	0	87.8	60	140	04/19/2024
1,2,3-Trichloropropane	*	2.0		**48.3**	50.00	0	96.7	60	140	04/19/2024
1,2,3-Trimethylbenzene	*	2.0		**44.3**	50.00	0	88.6	60	140	04/19/2024
1,2,4-Trichlorobenzene	*	2.0		**42.7**	50.00	0	85.4	60	140	04/19/2024
1,2,4-Trimethylbenzene		2.0		**44.2**	50.00	0	88.4	60	140	04/19/2024
1,2-Dibromo-3-chloropropane	*	2.0		**52.0**	50.00	0	104.0	60	140	04/19/2024
1,2-Dibromoethane	*	2.0		**47.7**	50.00	0	95.3	60	140	04/19/2024
1,2-Dichlorobenzene		2.0		**44.7**	50.00	0	89.3	65	135	04/19/2024
1,2-Dichloroethane		2.0		**50.4**	50.00	0	100.8	70	130	04/19/2024
1,2-Dichloropropane		2.0		**46.7**	50.00	0	93.5	35	165	04/19/2024
1,3,5-Trimethylbenzene	*	2.0		**45.2**	50.00	0	90.4	60	140	04/19/2024
1,3-Dichlorobenzene		2.0		**46.8**	50.00	0	93.6	70	130	04/19/2024
1,3-Dichloropropane	*	2.0		**49.1**	50.00	0	98.2	60	140	04/19/2024
1,4-Dichlorobenzene		2.0		**46.8**	50.00	0	93.6	65	135	04/19/2024
1-Chlorobutane	*	5.0		**48.5**	50.00	0	97.1	60	140	04/19/2024
2,2-Dichloropropane	*	2.0		**49.4**	50.00	0	98.7	60	140	04/19/2024
2-Butanone		10.0		**124**	125.0	0	99.4	60	140	04/19/2024
2-Chloroethyl vinyl ether		5.0		**45.8**	50.00	0	91.6	1	225	04/19/2024
2-Chlorotoluene	*	2.0		**46.7**	50.00	0	93.4	60	140	04/19/2024
2-Hexanone	*	10.0		**120**	125.0	0	95.9	60	140	04/19/2024
2-Nitropropane		10.0		**539**	500.0	0	107.7	60	140	04/19/2024
4-Chlorotoluene	*	2.0		**46.9**	50.00	0	93.7	60	140	04/19/2024
4-Methyl-2-pentanone		10.0		**121**	125.0	0	97.0	60	140	04/19/2024
Acetone		10.0		**124**	125.0	0	99.4	60	140	04/19/2024
Acetonitrile		10.0		**507**	500.0	0	101.5	60	140	04/19/2024
Acrolein		20.0		**511**	500.0	0	102.2	60	140	04/19/2024
Acrylonitrile		5.0		**51.4**	50.00	0	102.8	60	140	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCS Units µg/L

SampID: QCS-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Allyl chloride		5.0		**53.0**	50.00	0	106.0	60	140	04/19/2024
Benzene		0.5		**46.7**	50.00	0	93.4	65	135	04/19/2024
Bromobenzene	*	2.0		**48.0**	50.00	0	96.1	60	140	04/19/2024
Bromochloromethane	*	2.0		**47.0**	50.00	0	94.1	60	140	04/19/2024
Bromodichloromethane		2.0		**50.6**	50.00	0	101.3	65	135	04/19/2024
Bromoform		2.0		**48.4**	50.00	0	96.7	70	130	04/19/2024
Bromomethane		5.0		**29.2**	50.00	0	58.3	15	185	04/19/2024
Carbon disulfide		2.0		**46.6**	50.00	0	93.2	60	140	04/19/2024
Carbon tetrachloride		2.0		**50.4**	50.00	0	100.9	70	130	04/19/2024
Chlorobenzene		2.0		**46.4**	50.00	0	92.7	65	135	04/19/2024
Chloroethane		2.0		**45.0**	50.00	0	89.9	40	160	04/19/2024
Chloroform		2.0		**48.9**	50.00	0	97.8	70	135	04/19/2024
Chloromethane		5.0		**34.6**	50.00	0	69.3	1	205	04/19/2024
Chloroprene		5.0		**49.4**	50.00	0	98.8	60	140	04/19/2024
cis-1,2-Dichloroethene		2.0		**47.6**	50.00	0	95.2	60	140	04/19/2024
cis-1,3-Dichloropropene		2.0		**49.1**	50.00	0	98.1	25	175	04/19/2024
cis-1,4-Dichloro-2-butene		2.0		**45.2**	50.00	0	90.3	60	140	04/19/2024
Cyclohexanone		20.0		**488**	500.0	0	97.7	60	140	04/19/2024
Dibromochloromethane		2.0		**50.8**	50.00	0	101.6	70	135	04/19/2024
Dibromomethane	*	2.0		**51.1**	50.00	0	102.2	60	140	04/19/2024
Dichlorodifluoromethane		2.0		**41.9**	50.00	0	83.8	60	140	04/19/2024
Ethyl acetate		10.0		**49.0**	50.00	0	98.1	60	140	04/19/2024
Ethyl ether	*	5.0		**50.3**	50.00	0	100.6	60	140	04/19/2024
Ethyl methacrylate		5.0		**51.2**	50.00	0	102.3	60	140	04/19/2024
Ethylbenzene		2.0		**47.1**	50.00	0	94.1	60	140	04/19/2024
Hexachlorobutadiene	*	5.0		**43.0**	50.00	0	85.9	60	140	04/19/2024
Hexachloroethane	*	5.0		**47.6**	50.00	0	95.1	60	140	04/19/2024
Hexane		5.0		**44.5**	50.00	0	89.1	60	140	04/19/2024
Iodomethane		5.0		**36.3**	50.00	0	72.7	60	140	04/19/2024
Isopropylbenzene	*	2.0		**44.2**	50.00	0	88.3	60	140	04/19/2024
m,p-Xylenes		2.0		**93.5**	100.0	0	93.5	60	140	04/19/2024
Methacrylonitrile		5.0		**50.7**	50.00	0	101.4	60	140	04/19/2024
Methyl methacrylate		5.0		**48.5**	50.00	0	97.1	60	140	04/19/2024
Methyl tert-butyl ether		2.0		**49.4**	50.00	0	98.7	60	140	04/19/2024
Methylacrylate		5.0		**50.8**	50.00	0	101.6	60	140	04/19/2024
Methylene chloride		2.0		**47.1**	50.00	0	94.2	60	140	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCS Units **µg/L**

SampID: QCS-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Naphthalene		5.0		**40.9**	50.00	0	81.7	60	140	04/19/2024
n-Butyl acetate	*	2.0		**48.4**	50.00	0	96.8	60	140	04/19/2024
n-Butylbenzene	*	2.0		**41.8**	50.00	0	83.7	60	140	04/19/2024
n-Heptane		5.0		**46.6**	50.00	0	93.1	60	140	04/19/2024
Nitrobenzene	*	50.0		**493**	500.0	0	98.7	60	140	04/19/2024
n-Propylbenzene	*	2.0		**46.3**	50.00	0	92.5	60	140	04/19/2024
o-Xylene	*	2.0		**46.3**	50.00	0	92.6	60	140	04/19/2024
Pentachloroethane		5.0		**48.5**	50.00	0	97.1	60	140	04/19/2024
p-Isopropyltoluene	*	2.0		**44.1**	50.00	0	88.1	60	140	04/19/2024
Propionitrile		10.0		**515**	500.0	0	102.9	60	140	04/19/2024
sec-Butylbenzene	*	2.0		**44.4**	50.00	0	88.7	60	140	04/19/2024
Styrene		2.0		**46.0**	50.00	0	91.9	60	140	04/19/2024
tert-Butylbenzene	*	2.0		**46.8**	50.00	0	93.7	60	140	04/19/2024
Tetrachloroethene		0.5		**46.0**	50.00	0	92.0	70	130	04/19/2024
Tetrahydrofuran		5.0		**47.9**	50.00	0	95.9	60	140	04/19/2024
Toluene		2.0		**46.7**	50.00	0	93.4	70	130	04/19/2024
trans-1,2-Dichloroethene		2.0		**48.3**	50.00	0	96.5	70	130	04/19/2024
trans-1,3-Dichloropropene		2.0		**50.3**	50.00	0	100.6	50	150	04/19/2024
trans-1,4-Dichloro-2-butene		2.0		**46.7**	50.00	0	93.3	60	140	04/19/2024
Trichloroethene		2.0		**47.8**	50.00	0	95.5	65	135	04/19/2024
Trichlorofluoromethane		5.0		**52.0**	50.00	0	104.1	50	150	04/19/2024
Vinyl acetate	*	5.0		**51.3**	50.00	0	102.5	60	140	04/19/2024
Vinyl chloride		2.0		**47.3**	50.00	0	94.5	5	195	04/19/2024
Surr: 1,2-Dichloroethane-d4	*			**52.7**	50.00		105.3	80	120	04/19/2024
Surr: 4-Bromofluorobenzene	*			**50.2**	50.00		100.4	80	120	04/19/2024
Surr: Dibromofluoromethane	*			**51.1**	50.00		102.1	80	120	04/19/2024
Surr: Toluene-d8	*			**49.2**	50.00		98.4	80	120	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCSD Units µg/L RPD Limit 40

SampID: QCSD-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
1,1,1,2-Tetrachloroethane	*	2.0		**47.8**	50.00	0	95.6	49.06	2.58	04/19/2024
1,1,1-Trichloroethane		2.0		**50.8**	50.00	0	101.5	50.64	0.24	04/19/2024
1,1,2,2-Tetrachloroethane		2.0		**46.8**	50.00	0	93.7	49.26	5.04	04/19/2024
1,1,2-Trichloro-1,2,2-trifluoroethane		5.0		**47.5**	50.00	0	95.0	47.11	0.78	04/19/2024
1,1,2-Trichloroethane		0.5		**46.5**	50.00	0	92.9	47.72	2.68	04/19/2024
1,1-Dichloro-2-propanone		30.0		**116**	125.0	0	93.2	126.5	8.25	04/19/2024
1,1-Dichloroethane		2.0		**48.0**	50.00	0	95.9	48.36	0.81	04/19/2024
1,1-Dichloroethene		2.0		**46.8**	50.00	0	93.5	46.86	0.19	04/19/2024
1,1-Dichloropropene	*	2.0		**48.1**	50.00	0	96.3	47.90	0.50	04/19/2024
1,2,3-Trichlorobenzene	*	2.0		**38.4**	50.00	0	76.8	43.88	13.29	04/19/2024
1,2,3-Trichloropropane	*	2.0		**46.1**	50.00	0	92.2	48.34	4.72	04/19/2024
1,2,3-Trimethylbenzene	*	2.0		**40.9**	50.00	0	81.9	44.32	7.93	04/19/2024
1,2,4-Trichlorobenzene	*	2.0		**39.2**	50.00	0	78.4	42.71	8.62	04/19/2024
1,2,4-Trimethylbenzene		2.0		**41.7**	50.00	0	83.3	44.22	5.94	04/19/2024
1,2-Dibromo-3-chloropropane	*	2.0		**47.2**	50.00	0	94.4	51.99	9.64	04/19/2024
1,2-Dibromoethane	*	2.0		**45.6**	50.00	0	91.3	47.67	4.35	04/19/2024
1,2-Dichlorobenzene		2.0		**42.1**	50.00	0	84.2	44.66	5.93	04/19/2024
1,2-Dichloroethane		2.0		**48.3**	50.00	0	96.7	50.42	4.23	04/19/2024
1,2-Dichloropropane		2.0		**45.7**	50.00	0	91.4	46.74	2.23	04/19/2024
1,3,5-Trimethylbenzene	*	2.0		**43.1**	50.00	0	86.3	45.18	4.62	04/19/2024
1,3-Dichlorobenzene		2.0		**44.2**	50.00	0	88.5	46.81	5.62	04/19/2024
1,3-Dichloropropane	*	2.0		**47.9**	50.00	0	95.8	49.11	2.47	04/19/2024
1,4-Dichlorobenzene		2.0		**43.9**	50.00	0	87.9	46.78	6.26	04/19/2024
1-Chlorobutane	*	5.0		**49.7**	50.00	0	99.5	48.53	2.46	04/19/2024
2,2-Dichloropropane	*	2.0		**48.2**	50.00	0	96.4	49.37	2.42	04/19/2024
2-Butanone		10.0		**116**	125.0	0	92.9	124.3	6.79	04/19/2024
2-Chloroethyl vinyl ether		5.0		**45.4**	50.00	0	90.9	45.78	0.77	04/19/2024
2-Chlorotoluene	*	2.0		**44.6**	50.00	0	89.3	46.69	4.51	04/19/2024
2-Hexanone	*	10.0		**110**	125.0	0	88.3	119.9	8.27	04/19/2024
2-Nitropropane		10.0		**500**	500.0	0	100.0	538.7	7.48	04/19/2024
4-Chlorotoluene	*	2.0		**44.8**	50.00	0	89.7	46.87	4.43	04/19/2024
4-Methyl-2-pentanone		10.0		**113**	125.0	0	90.0	121.2	7.40	04/19/2024
Acetone		10.0		**116**	125.0	0	92.7	124.3	7.02	04/19/2024
Acetonitrile		10.0		**471**	500.0	0	94.1	507.3	7.51	04/19/2024
Acrolein		20.0		**504**	500.0	0	100.9	511.0	1.32	04/19/2024
Acrylonitrile		5.0		**47.6**	50.00	0	95.2	51.40	7.72	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCSD Units µg/L RPD Limit 40

SampID: QCSD-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Allyl chloride		5.0		**53.5**	50.00	0	106.9	52.99	0.90	04/19/2024
Benzene		0.5		**46.4**	50.00	0	92.8	46.69	0.58	04/19/2024
Bromobenzene	*	2.0		**45.6**	50.00	0	91.2	48.04	5.23	04/19/2024
Bromochloromethane	*	2.0		**45.4**	50.00	0	90.9	47.05	3.50	04/19/2024
Bromodichloromethane		2.0		**49.3**	50.00	0	98.6	50.63	2.70	04/19/2024
Bromoform		2.0		**45.8**	50.00	0	91.6	48.35	5.46	04/19/2024
Bromomethane		5.0		**38.1**	50.00	0	76.3	29.17	26.65	04/19/2024
Carbon disulfide		2.0		**46.6**	50.00	0	93.3	46.58	0.13	04/19/2024
Carbon tetrachloride		2.0		**50.8**	50.00	0	101.7	50.45	0.77	04/19/2024
Chlorobenzene		2.0		**45.2**	50.00	0	90.3	46.37	2.64	04/19/2024
Chloroethane		2.0		**48.6**	50.00	0	97.1	44.96	7.68	04/19/2024
Chloroform		2.0		**47.8**	50.00	0	95.6	48.88	2.28	04/19/2024
Chloromethane		5.0		**38.8**	50.00	0	77.6	34.63	11.36	04/19/2024
Chloroprene		5.0		**49.9**	50.00	0	99.8	49.42	0.95	04/19/2024
cis-1,2-Dichloroethene		2.0		**46.4**	50.00	0	92.8	47.59	2.53	04/19/2024
cis-1,3-Dichloropropene		2.0		**47.9**	50.00	0	95.8	49.07	2.41	04/19/2024
cis-1,4-Dichloro-2-butene		2.0		**41.1**	50.00	0	82.2	45.15	9.39	04/19/2024
Cyclohexanone		20.0		**469**	500.0	0	93.7	488.4	4.11	04/19/2024
Dibromochloromethane		2.0		**49.0**	50.00	0	97.9	50.78	3.67	04/19/2024
Dibromomethane	*	2.0		**49.8**	50.00	0	99.6	51.09	2.58	04/19/2024
Dichlorodifluoromethane		2.0		**46.2**	50.00	0	92.3	41.91	9.67	04/19/2024
Ethyl acetate		10.0		**47.0**	50.00	0	94.0	49.05	4.25	04/19/2024
Ethyl ether	*	5.0		**47.8**	50.00	0	95.6	50.28	5.10	04/19/2024
Ethyl methacrylate		5.0		**49.3**	50.00	0	98.5	51.17	3.80	04/19/2024
Ethylbenzene		2.0		**45.0**	50.00	0	90.0	47.07	4.45	04/19/2024
Hexachlorobutadiene	*	5.0		**37.1**	50.00	0	74.2	42.95	14.64	04/19/2024
Hexachloroethane	*	5.0		**45.9**	50.00	0	91.7	47.56	3.64	04/19/2024
Hexane		5.0		**42.7**	50.00	0	85.4	44.53	4.20	04/19/2024
Iodomethane		5.0		**34.0**	50.00	0	68.1	36.33	6.51	04/19/2024
Isopropylbenzene	*	2.0		**41.9**	50.00	0	83.8	44.16	5.30	04/19/2024
m,p-Xylenes		2.0		**89.0**	100.0	0	89.0	93.50	4.97	04/19/2024
Methacrylonitrile		5.0		**48.5**	50.00	0	96.9	50.70	4.50	04/19/2024
Methyl methacrylate		5.0		**45.9**	50.00	0	91.8	48.54	5.59	04/19/2024
Methyl tert-butyl ether		2.0		**51.0**	50.00	0	102.1	49.35	3.37	04/19/2024
Methylacrylate		5.0		**46.6**	50.00	0	93.2	50.78	8.56	04/19/2024
Methylene chloride		2.0		**45.5**	50.00	0	91.1	47.10	3.37	04/19/2024

Client: Geotechnology, Inc. **Work Order:** 24041609

Client Project: J044644.02 **Report Date:** 23-Apr-24

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 221698 **SampType:** LCSD Units **µg/L** RPD Limit **40**

SampID: QCSD-AE240419A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Naphthalene		5.0		**35.3**	50.00	0	70.5	40.87	14.74	04/19/2024
n-Butyl acetate	*	2.0		**45.7**	50.00	0	91.5	48.40	5.65	04/19/2024
n-Butylbenzene	*	2.0		**38.4**	50.00	0	76.8	41.83	8.58	04/19/2024
n-Heptane		5.0		**44.8**	50.00	0	89.7	46.57	3.76	04/19/2024
Nitrobenzene	*	50.0		**455**	500.0	0	90.9	493.4	8.18	04/19/2024
n-Propylbenzene	*	2.0		**43.8**	50.00	0	87.6	46.26	5.51	04/19/2024
o-Xylene	*	2.0		**44.0**	50.00	0	88.0	46.28	5.03	04/19/2024
Pentachloroethane		5.0		**45.6**	50.00	0	91.1	48.53	6.29	04/19/2024
p-Isopropyltoluene	*	2.0		**42.0**	50.00	0	84.0	44.06	4.74	04/19/2024
Propionitrile		10.0		**475**	500.0	0	94.9	514.7	8.10	04/19/2024
sec-Butylbenzene	*	2.0		**41.3**	50.00	0	82.7	44.37	7.07	04/19/2024
Styrene		2.0		**43.8**	50.00	0	87.5	45.95	4.86	04/19/2024
tert-Butylbenzene	*	2.0		**44.1**	50.00	0	88.2	46.85	6.07	04/19/2024
Tetrachloroethene		0.5		**45.7**	50.00	0	91.4	46.01	0.65	04/19/2024
Tetrahydrofuran		5.0		**43.8**	50.00	0	87.5	47.93	9.12	04/19/2024
Toluene		2.0		**45.5**	50.00	0	91.0	46.72	2.67	04/19/2024
trans-1,2-Dichloroethene		2.0		**48.4**	50.00	0	96.8	48.27	0.29	04/19/2024
trans-1,3-Dichloropropene		2.0		**48.3**	50.00	0	96.6	50.32	4.08	04/19/2024
trans-1,4-Dichloro-2-butene		2.0		**43.8**	50.00	0	87.7	46.67	6.28	04/19/2024
Trichloroethene		2.0		**47.5**	50.00	0	95.1	47.75	0.44	04/19/2024
Trichlorofluoromethane		5.0		**57.3**	50.00	0	114.5	52.03	9.59	04/19/2024
Vinyl acetate	*	5.0		**50.6**	50.00	0	101.2	51.26	1.28	04/19/2024
Vinyl chloride		2.0		**53.0**	50.00	0	106.0	47.27	11.41	04/19/2024
Surr: 1,2-Dichloroethane-d4	*			**53.1**	50.00		106.2			04/19/2024
Surr: 4-Bromofluorobenzene	*			**50.6**	50.00		101.2			04/19/2024
Surr: Dibromofluoromethane	*			**52.6**	50.00		105.3			04/19/2024
Surr: Toluene-d8	*			**50.4**	50.00		100.8			04/19/2024

Receiving Check List

http://www.teklabinc.com/

Client: Geotechnology, Inc.
Work Order: 24041609
Client Project: J044644.02
Report Date: 23-Apr-24

Carrier: Employee
Received By: WAO

Completed by: Amber Dilallo
On: 18-Apr-24

Reviewed by: Ellie Hopkins
On: 18-Apr-24

Pages to follow: Chain of custody 1 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	14.1	
Type of thermal preservation?	None ☐	Ice ☐	Blue Ice ☑	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☐	No ☑				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

Samples were received in the incorrect containers for the analyses requested. Per Client, proceed with analysis. - amberdilallo - 4/18/2024 2:37:52 PM

CHAIN OF CUSTODY

pg. ____ of ____ Work order # 24041609

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: UES

Address:

City / State / Zip

Contact: Seth Lamble Phone:

E-Mail: Slamble@team UES Fax:

Samples on: ☐ ICE ☒ BLUE ICE ☐ NO ICE 14.1 °C LTG 3

Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY

Lab Notes: ok to run from improper container per client. ww 4/18

Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☐ Yes ☒ No

Project Name/Number: J044644.02

Sample Collector's Name: Seth Lamble

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions: J044644.02

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: VOCs 624.1
24041609 001	SVP-9 EB	4/15/24 1000	1								X						X

Relinquished By	Date/Time	Received By	Date/Time
[signature] -200	1200 4/15/24	Whitney Quinn	1204 4/18/24

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

WHITE - LAB YELLOW - SAMPLER

APPENDIX C

IEPA PAH CONCENTRATIONS IN BACKGROUND SOILS

ADMINISTRATIVE CODE

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE G: WASTE DISPOSAL
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER f: RISK BASED CLEANUP OBJECTIVES
PART 742 TIERED APPROACH TO CORRECTIVE ACTION OBJECTIVES
SECTION 742.APPENDIX A GENERAL

Section 742.APPENDIX A General

Section 742.TABLE H Concentrations of Polynuclear Aromatic Hydrocarbon Chemicals in Background Soils

Chemical Name	Chicago[a] mg/kg	Metropolitan Areas[b] (mg/kg)	Non-Metropolitan Areas[c] (mg/kg)
2-Methylnaphthalene	-----	0.14	0.29
Acenaphthene	0.09	0.13	0.04
Acenaphthylene	0.03	0.07	0.04
Anthracene	0.25	0.40	0.14
Benzo(a)anthracene	1.1	1.8	0.72
Benzo(a)pyrene	1.3	2.1	0.98
Benzo(b)fluoranthene	1.5	2.1	0.70
Benzo(g,h,i)perylene	0.68	1.7	0.84
Benzo(k)fluoranthene	0.99	1.7	0.63
Chrysene	1.2	2.7	1.1
Dibenzo(a,h)anthracene	0.20	0.42	0.15
Fluoranthene	2.7	4.1	1.8
Fluorene	0.10	0.18	0.04
Indeno(1,2,3-c,d)pyrene	0.86	1.6	0.51
Naphthalene	0.04	0.20	0.17
Phenanthrene	1.3	2.5	0.99
Pyrene	1.9	3.0	1.2

[a] Chicago means within the corporate limits of the City of Chicago.

[b] Metropolitan area means a populated area, as defined in Section 742.200, (other than the City of Chicago) that is located within any county in a Metropolitan Statistical Area listed in Appendix A, Table G, footnote a.

[c] Non-Metropolitan area means a populated area, as defined in Section 742.200, that is not located within any county in a Metropolitan Statistical Area listed in Appendix A, Table G, footnote a.

(Source: Appendix A, Table H renumbered to Appendix A, Table I and new Appendix A, Table H added at 31 Ill. Reg. 4063, effective February 23, 2007)

APPENDIX D

LIMITATIONS OF REPORT

ENVIRONMENTAL SAMPLING AND TESTING LIMITATIONS

1. The Report has been prepared on behalf of and for the exclusive use of the addressee, solely for use in documenting specific sample results. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of UES. Unless other contractual agreements were made, the services described in the report were carried out in accordance with the Terms for UES' Services which accompanied the proposal.

2. The sampling was performed in accordance with generally accepted practices of other consultants undertaking similar projects at the same time and in the same geographical area, and UES endeavored to observe that degree of care and skill ordinarily exercised by other consultants under similar circumstances and conditions. The findings and conclusions stated herein must be considered not as scientific certainties, but rather as professional opinions concerning the significance of the limited data gathered during the course of the project. UES does not and cannot represent that the site contains no hazardous waste or material, oil (including petroleum products) or other latent condition beyond that observed by UES.

3. It is recommended that UES be retained to provide further services during construction and/or implementation of any remedial measures recommended in this report. This is to allow UES to observe compliance with the concepts and recommendations contained herein, and to allow the development of design changes in the event that subsurface conditions differ from those anticipated.

4. In the event that information is developed relative to environmental or hazardous waste or material issues at the site and not contained in this report, such information shall be brought to UES' attention. UES will evaluate such information and, based on this evaluation, may modify the conclusions stated in this Report.

5. The conclusions and recommendations contained in this Report are based in part upon the data obtained from a limited number of air, water, soil and/or groundwater samples obtained from widely spaced sampling. The identified presence of contaminated water, soil and/or groundwater is limited to the extent that they could be identified by color, smell, instrumentation and sampling and testing. There is a potential for contaminated water, soil and/or groundwater above the indicated concentrations to occur elsewhere on the site. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, and/or if changes are made in regulations, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. Quantitative laboratory testing was performed as part of the assessment by an outside laboratory, UES has relied upon the data provided, and has not conducted an independent evaluation of the reliability to these data.

7. Chemical analyses have been performed for specific parameters during the course of this sampling as described in the text. Do not assume that a given chemical is not present at the site simply because it was not present at the test locations. The chemical may exist on the site where tests were not performed. In addition, it should be noted that additional chemical constituents not tested for during the sampling could be present in water, soil and/or groundwater at the site.