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Phase II Environmental Site Assessment Report APA Headquarters Feasibility Study

3 Main Street, Village of Saranac Lake, Franklin County, New York



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1.0 INTRODUCTION

Bergmann, under contract with New York State Office of General Services (OGS) and at the request of the New York State Adirondack Park Agency (NYS APA), conducted a Phase ll Environmental Site Assessment (Phase ll ESA) from September 25, 2023 until September 28, 2023 to evaluate locations of Recognized Environmental Conditions (RECs) at 3 Main Street, Village of Saranac Lake, Franklin County, New York (Site), see Figure 1 – Site Location Map. The Phase ll ESA was recommended by Bergmann based on the findings of the Phase l ESA report dated August 16, 2023. The following **RECs** were identified in the Phase I ESA for the Site that warranted a subsurface investigation:

- Standard and other historical sources were able to document that the Subject Property was utilized historically by electric and railway companies from 1903 until 1986.
    - There is the potential that polychlorinated biphenyls (PCBs) were used on the Subject Property as a component of electrical equipment, including but not limited to transformers and switches.
    - Additionally, semi-volatile organic compounds (SVOCs) may have been used as a component in rail ties that may have been present at the site.
- A corroded pipe was noted in the basement of the historical building located on the Subject Property. The corroded pipe is likely from an oil leak via a suspect former tank and/or PCBs. Bergmann personnel recommended wipe test sampling be done to determine contaminant of concern.
- Three (3) underground storage tanks (USTs) were listed in a compliance letter provided by the Village of Saranac Lake and EDR environmental listings. One (1) tank was listed as closed/removed and listed as a Historic Recognized Environmental Condition (HREC). The former location of this closed/removed UST is unknown. The following active tanks are listed below:
    - One (1) 2000-gallon gasoline UST (Tank #104249 Tank ID# 002) installed on 12/01/1967, no tank status or closure date reported. The location of this UST is unknown.
    - One (1) 8000-gallon #2 fuel oil UST (Tank# 109435; Tank ID# 003) installed on 11/01/1994, no tank status or closure date reported. The location of this UST is unknown.

The following **HRECs** were identified in the Phase I ESA for the Site that warranted a subsurface investigation:

- One (1) 8000-gallon #2 fuel oil UST used for on-site consumption (Tank #104248; ID# 001) closed/removed on 11/01/1994.

A Phase ll ESA was recommended to evaluate the soil conditions at these REC locations. This Phase ll ESA included soil borings with the collection of soil samples for laboratory analysis.

A Bergmann Environmental Professional monitored the Phase ll ESA field work which included the advancement of fourteen (14) soil borings and collection of seven (7) soil samples between September 25, 2023 until September 28, 2023. The purpose of this Phase ll ESA is to evaluate the presence or absence of identified REC-related impacts prior to site redevelopment. The Phase II ESA was conducted in accordance with our proposal. The

location of the Site is presented on Figure 1 and an aerial image of the Site is shown on Figure 2 – Aerial Imagery Map. The approximate locations of the soil borings are shown on Figure 3 – Soil Boring Location Map.

2.0 SITE INVESTIGATION METHODS / SOIL SAMPLING AND FIELD SCREENING

The Phase II ESA field investigation included a drilling program for advancement of soil borings with collection of soil samples based on field soil screening and visual observations of the depth of 8.0 to 28.0 feet (ft) below ground surface (bgs) during soil boring advancements. The methods used are presented in Section 2.1, below.

2.1 SUBSURFACE INVESTIGATION

Soil borings were advanced for fourteen (14) soil borings designated SB-1 through SB-14 at the Site to allow for the investigation of RECs. Seven (7) of the soil borings were selected for soil samples, designated as SS-01 through SS-07. Soil borings SB-01 through SB-14, were all drilled to the south of the existing building, within the parking lot and the immediate adjacent grassed areas. The soil borings were drilled by SoilTesting, Inc. of Oxford, Connecticut using a track mounted automatic hollow stem auger (HSA) under the supervision of the Bergmann Environmental Professional. The approximate locations of the soil borings are presented on Figure 3. Soil borings were advanced to completion depths by the drilling equipment. Completion depths ranged from approximately 8.0 to 28.0 ft bgs, depending on the elevation of the water table or refusal of the drill. A Bergmann Environmental was onsite with Bergmann Geotechnical professionals. Some soil borings needed to be advanced past the water table elevation until bedrock refusal was encountered.

Soil samples were collected continuously at two (2)-foot intervals using a split spoon. The Bergmann Environmental Professional visually logged and recorded the grain size, color, relative moisture content, and visual observations/odors, if present, for each soil sample on a Test Boring Report. Soil Boring Reports are presented in Appendix 1 – Soil Boring Reports. Each soil sample was screened for Volatile Organic Compound (VOC) vapors in the field with a Photoionization Detector (PID). The PID measures total organic vapors in parts per million (ppm). Soil field screening (PID) measurements are summarized in Section 4.1 of this report and presented on each Soil Boring Report. VOCs were not detected by the PID in any of the soil borings.

Soil samples were selected for laboratory analysis from seven (7) soil boring locations based on PID field screening results, olfactory, visual observations, and location of surface soils and or the top of the groundwater table as observed in the field. If no impacts were observed in the field, samples were selected from above the water table. Selected soil samples were placed into laboratory-supplied sample containers, labeled for identification, and preserved on ice. These samples were submitted under chain-of-custody documentation to Paradigm Environmental Services of Rochester, New York, for analysis in accordance with EPA Method 8260C Volatile Organic Compounds (VOCs) plus CP-51 list (gasoline VOCs), EPA Method 8270D Semi-Volatile Organic Compounds (SVOCs) plus CP-51 list (fuel oil SVOCs), EPA Method 7470B/6010C Resource Conservation and Recovery Act (RCRA) 8 Metals (Metals), and Polychlorinated Biphenyls (PCBs) by USEPA Method 8082. SS-07 was only submitted to the lab for SVOC analysis based on the lack of soil material collected from the boring.

Bergmann proposed seven (7) soil samples prior to the Phase II investigation. While onsite, Bergmann and SoilTesting, Inc decided one (1) proposed soil boring was not accessible for the Phase II investigation. Bergmann proposed one (1) boring to be located north of the existing UST, however, underground utilities did not allow for the advancement of the soil boring. The location of the seven (7) soil samples are located on Figure 3 – Soil Boring Location Map.

3.0 INVESTIGATIVE FINDINGS OVERBURDEN GEOLOGY

Overburden deposits were encountered at all soil boring locations. The overburden deposits encountered include re-graded topsoil, sand, silt and clay. The topsoil was approximately 0.0 to 0.5 foot thick and ranged from dark brown coarse/medium SAND, with some root fibers to brown SILT and SAND. The pavement within the subject property was approximately 0.0 to 1.0 foot thick. The fill deposit was encountered underlying the topsoil/pavement at each soil boring with a thickness of 2.0 – 12.0 ft bgs. The fill layer is described as various tones of brown medium/fine SILT, some SAND, trace clay. In all soil boring water table was between 8.0ft-10.0ft bgs. The soil descriptions are described for each soil sample collected on soil boring reports presented in Appendix 1. Bedrock or auger refusal was encountered at 8.0 ft bgs in SB-12, at 10.3 ft bgs in SB-09, 12.0 ft bgs in SB-11, 12.0ft bgs in SB-13, and 28.0 ft bgs in SB-14.

3.1 SOIL FIELD SCREEN RESULTS

Each soil sample was field screened with a PID for total organic vapors. Results for PID measurements are presented on the soil boring reports at sample depth intervals, see Appendix 1. The PID measurements in SB-01 through SB-14 were all 0.0 ppm or non-detect.

4.0 SOIL QUALITY

Soil samples collected from SB-02/ SS-01 (8.0-9.0 ft bgs), SB-03/ SS-02 (3.0-4.0 ft bgs), SB-05/ SS-03 (5.6-0-6.0 ft bgs), SB-06/ SS-04 (4.5-5.5 ft bgs), SB-10/ SS-05 (6.0-7.0 ft bgs), SB-11/SS-06 (5.0-6.0 ft bgs) and SB-14/SS-07 (7.0-7.5 ft bgs) were sampled based on the location of the boring in order to get representative data across the Site. Samples were submitted for laboratory analysis of VOCs, SVOCs, RCRA metals, and PCBs. SS-07 was only analyzed for SVOCs.

4.1 VOLATILE ORGANIC COMPOUNDS – VOCS + CP-51

VOCs were not detected in the analytical data and are below New York State Department of Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (UUSCOs). SS-07 was not analyzed for VOCs due to the lack of soil received in the split spoon. These analytical results combined with PID measurements and field observations indicate that VOCs are not a Contaminant of Concern (COC) at the Site. Refer to Table 1 – VOCs for a complete summary of VOC analytical results. The laboratory report is presented in Appendix 2 – Laboratory Analytical Report.

4.2 SEMI-VOLATILE PETROLEUM COMPOUNDS – SVOCS + CP-51

SVOCs analytical results from all sample locations are ND with no concentrations of SVOCs above the laboratory method detection limits in each soil sample. Therefore, the analytical results are below UUSCOs. These sample results combined with field observations indicate that SVOCs are not a COC at the Site. Refer to Table 2 – SVOCs for a complete summary of SVOC results. The laboratory report is presented in Appendix 2 – Laboratory Analytical Report.

4.3 RCRA METALS

Resource Recovery and Conservation Act (RCRA) list includes eight (8) heavy metals that are toxic: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Arsenic, barium, chromium and lead were detected at concentrations below UUSCO values at selected locations. Mercury was detected in SS-01 and was detected above UUSCO values but below Restricted Residential Use as referred to the table below. SS-07 was not analyzed for Metals due to the lack of soil retrieved in the split spoon. These sample results combined with field observations indicate that RCRA metals are considered a COC at the Site. Refer to Table 3 for a complete summary of RCRA metals results. The laboratory report is presented in Appendix 2 – Laboratory Analytical Report.

Metal	Soil Boring	Concentration Range (ppm)	UUSCOs (ppm)	Restricted Residential Use
Arsenic	SB-01, SB-02, SB-04, SB-05	0.625 to 1.01	13 ppm	16 ppm
Barium	Detected in all samples	7.15 to 16.6	350 ppm	400 ppm
Cadmium	Not detected	ND	2.5ppm	4.3 pm
Chromium	Detected in all samples	1.35 to 4.09	30 ppm	180 ppm
Lead	SB-01, SB-02, SB-04, SB-05	0.639 to 2.67	63 ppm	400 pm
Mercury	SB-01	0.23	0.18 ppm	0.81 ppm
Selenium	Not detected	ND	3.9 ppm	180 ppm
Silver	Not detected	ND	2 ppm	180 ppm

4.4 POLYCHLORINATED BIPHENYLS (PCBS)

The laboratory PCB results from SS-03 and SS-05 sample locations are not detected at concentrations above the laboratory method detection limits in each soil sample. The analytical results are below UUSCOs. These sample results combined with field observations indicate that PCBs are not considered a COC at the Site. Refer to Table 4 for a complete summary of PCB analytical results. The laboratory report is presented in Appendix 2 – Laboratory Analytical Report.

5.0 SUMMARY AND CONCLUSIONS

The following is a summary of the Site subsurface conclusions based upon the ESA findings, observations, laboratory results and project Limitations – Appendix 3 Limitations.

1. Overburden deposits were encountered at all soil boring locations. The overburden deposits encountered include re-graded topsoil, sand, silt and clay. The topsoil was approximately 0.0 to 0.5 foot thick and ranged from dark brown coarse/medium SAND, with some root fibers to brown SILT and SAND. The pavement was approximately 0.0 to 1.0 foot thick. The fill deposit was encountered underlying the topsoil/pavement at each soil boring with a thickness of 2.0 – 12.0 ft bgs. The fill layer is described as various tones of brown medium/fine SILT, some SAND, trace clay. In all soil boring water table was between 8.0 ft-10.0 ft bgs. The soil descriptions are described for each soil sample collected on soil boring reports presented in Appendix 1. Bedrock or auger refusal was encountered at 8.0 ft bgs in SB-12, at 10.3 ft bgs in SB-09, at 12.0 ft bgs in SB-11, at 12.0 ft bgs in SB-13, and 28.0 ft bgs in SB-14.

2. Total organic vapors measured with the PID were 0.0 ppm at all locations.

3. VOCs, SVOCs, and PCBs were not detected above the method detection limits and were below Unrestricted Use Soil Cleanup Objectives (UUSCOs) in all soil samples. Based on the analytical data and field observations, the Subject Property area is not impacted by VOCs, SVOCs, and PCBs.

4. Select RCRA Metals were detected above the method detection limits but were below UUSCOs in soil samples except in SS-01. Mercury in SS-01 was detected above UUSCO values but below Restricted Residential Use. Mercury is considered a COC at this time.

6.0 RECOMMENDATIONS

The following is our recommendation based upon the Phase II ESA findings, observations, and project Limitations – Appendix 3 Limitations.

- Bergmann is recommending the development of an Environmental Management Plan (EMP) for the site redevelopment. Bergmann recommends an EMP to detail environmental monitoring for any soil or groundwater disturbance that may occur during site redevelopment involving subgrade disturbance. With the detections of low concentration of RCRA metals, Mercury detected above the UUSCO threshold in one (1) area, and with the unknown COCs associated with the onsite UST, procedures on handling soil and unknown impacted soils, should be outlined in the EMP. The EMP will assist in minimizing delays during construction and ensure that all soil is handled pursuant to all applicable federal, state, and local regulations.

TABLES

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Table 1
VOC Soil Sample Results
Phase II Environmental Site Assessment

Table 1: VOC Soil Sample Results

Analyzed Parameters[1]	Unrestricted Use[2]	Restricted Residential Use[3]	Commercial Use[3]	NYSDEC CP-51 Standards	SS-01 (8.0-9.0ft)	SS-02 (3.0-4.0ft)	SS-03 (5.0-6.0ft)	SS-04 (4.5-5.5ft)	SS-05 (6.0-7.0ft)	SS-06 (5.0-6.0ft)	SS-07 (7.0-7.5ft)
EPA 8260 - TCL Volatile Organics											
1,1,1-Trichloroethane	0.68	100	500		ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	26	240		ND	ND	ND	ND	ND	ND	ND
1.1-Dichloroethene	0.33	100	500		ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	-	-	-		ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	-	-	-	3.6	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3.6	52	190	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropa	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromomethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	500	500	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2.3	3.1	30	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.8	100	500	-	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	130	130		ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	13	130		ND	ND	ND	ND	ND	ND	ND
2-Butanone	12	100	500	-	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	-	-	-		ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	100	500		ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	4.8	44	0.06	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromoform	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromomethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	-	-	-		ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.76	2.4	22	-	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chloroethane	-	-	-		ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	49	350	-	ND	ND	ND	ND	ND	ND	ND
Chloromethane	-	-	-		ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	100	500	-	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	41	390	1	ND	ND	ND	ND	ND	ND	ND
Freon 113	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	-	-	-	2	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	0.9	100	500	0.93	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	100	500		ND	ND	ND	ND	ND	ND	ND
o-Xylene	-	-	-		ND	ND	ND	ND	ND	ND	ND
Styrene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	150	150	-	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	100	500	0.7	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	-	-	-		ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	21	200		ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	-	-	-		ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	0.9	13	12	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	12	100	500	3.9	ND	ND	ND	ND	ND	ND	ND
N-Propylbenzene	3.9	100	500	12	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	100	500		ND	ND	ND	ND	ND	ND	ND
o-Xylene	-	-	-	10	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	-	-	-	11	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	100	500	0.26	ND	ND	ND	ND	ND	ND	ND
Xylenes (mixed)	0.26	100	500		ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	21	200		ND	ND	ND	ND	ND	ND	ND

1 - All values presented in milligrams per kilogram (Mg/Kg) that is equivlant to parts per million (ppm).
2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Residential and Commercial Use Soil Cleanup Objectives
ND- Not detected above reporting limit

Value Exceeds Unrestricted SCOs
Value Exceeded Restricted Residential SCOs
Value Exceeded Commercial Use SCOs

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Table 2
SVOC Soil Sample Results
Phase II Environmental Site Assessment

Table 2: SVOC Soil Sample Results

Analyzed Parameters[1]	Unrestricted Use[2]	Restricted Residential Use[3]	Commercial Use[3]	CP-51 Soil Cleanup Guidance	SS-01 (8.0-9.0ft)	SS-02 (3.0-4.0ft)	SS-03 (5.0-6.0ft)	SS-04 (4.5-5.5ft)	SB-05 (6.0-7.0ft)	SB-06 (5.0-6.0ft)	SB-07 (7.0-7.5ft)
EPA 8270 + NYSDEC CP-51 list (PAHs)											
1,2,4,5-Tetrachlorobenzene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	100	500	500	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	500	500	500	ND	ND	ND	ND	ND	ND	ND
Acetophenone	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	500	500	ND	ND	ND	ND	ND	ND	ND
Atrazine	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	5.6	5.6	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	1	1	1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	1	5.6	5.6	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	100	100	500	500	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	3.9	56	56	ND	ND	ND	ND	ND	ND	ND
Biphenyl	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Carbazole	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Caprolactam	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	3.9	56	56	ND	ND	ND	ND	ND	0.449	ND
Dibenzo(a,h)anthracene	0.33	0.33	0.560	0.560	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	59	350	350	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	500	500	ND	ND	ND	ND	ND	0.647	ND
Fluorene	30	100	500	500	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	1.2	6.0	6.0	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	1	5.6	5.6	ND	ND	ND	ND	ND	ND	ND
Isophorone	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	100	500	500	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	100	500	500	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	500	500	ND	ND	ND	ND	ND	ND	ND
Phenol	0.33	100	500	500	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	500	500	ND	ND	ND	ND	ND	0.698	ND

1 - All values presented in milligrams per kilogram (mg/kg) equivlant to parts per million (ppm).
2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Residential Soil Cleanup Objectives
J - value is estimated
NA - Not analyzed
ND- Not detected above laboratory detection limits.

Value Exceeds Unrestricted SCOs
Value Exceeded Restricted Residential SCOs
Value Exceeded Commercial Use SCOs

Table 3
RCRA Metals Soil Sample Results
Phase II Environmental Site Assessment

Table 3: RCRA Metals Soil Sample Results

Analyzed Parameters[1]	Unrestricted Use[2]	Restricted Residential Use[3]	Commercial Use[3]	SS-01 (8.0-9.0ft)	SS-02 (3.0-4.0ft)	SS-03 (5.0-6.0ft)	SS-04 (4.5-5.5ft)	SS-05 (6.0-7.0ft)	SS-06 (5.0-6.0ft)	SS-07 (7.0-7.5ft)
RCRA Metals										
Arsenic	13	16	16	**0.63**	**0.625**	ND	**0.921**	**1.01**	ND	N/A
Barium	350	400	400	**15**	**9.36**	**17.8**	**16.6**	**14.5**	**7.15**	N/A
Cadmium	2.5	4.3	9.3	ND	ND	ND	ND	ND	ND	N/A
Chromium	30	180	1,500	**2.77**	**2.53**	**1.35**	**1.89**	**4.09**	**1.53**	N/A
Lead	63	400	1,000	**1.91**	**0.857**	**0.639**	**2.67**	**2.34**	ND	N/A
Mercury	0.18	0.81	2.8	**0.23**	ND	ND	ND	ND	ND	N/A
Selenium	3.9	180	1,500	ND	ND	ND	ND	ND	ND	N/A
Silver	2	180	1,500	ND	ND	ND	ND	ND	ND	N/A

1 - All values for metals are presented in milligrams per kilograms (mg/kg).
2- 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Residential and Commercial Use Soil Cleanup Objectives
ND- Not detected above reporting limit
NA- Not Analyzed

Value Exceeds Unrestricted SCOs
Value Exceeded Restricted Residential SCOs
Value Exceeded Commercial Use SCOs

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Table 4
Polychlorinated Biphenyls (PCBs) Soil Sample Results
Phase II Environmental Site Assessment

Table 4: PCB Soil Sample Results

Analyzed Parameters[1]	Unrestricted Use[3]	Restricted Residential Use[4]	Commercial Use[4]	SS-03 (5.0-6.0ft)	SS-05 (6.0-7.0ft)
EPA Method 80821					
Aroclor-1016	0.1	1	1	ND	ND
Aroclor-1221	0.1	1	1	ND	ND
Aroclor-1232	0.1	1	1	ND	ND
Aroclor-1242	0.1	1	1	ND	ND
Aroclor-1248	0.1	1	1	ND	ND
Aroclor-1254	0.1	1	1	ND	ND
Aroclor-1260	0.1	1	1	ND	ND
Aroclor-1262	0.1	1	1	ND	ND
Aroclor-1268	0.1	1	1	ND	ND

1- All values for PCBs are presented in milligrams per kilograms (mg/kg)
2 - All values for pesticides presented in micrograms per kilogram
3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use SCOs
4-6 NYCRR Part 375-6,8 - Table 375-6.8(b): Restricted Residential and Commercial Use SCOs
ND- Not detected above reporting limit

Value Exceeds Unrestricted SCOs
Value Exceeded Restricted Residential SCOs
Value Exceeded Commercial Use SCOs

FIGURES

280 E. Broad Street
Rochester, NY 14604

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Adirondack Park Agency Headquarters Feasibility Study Project

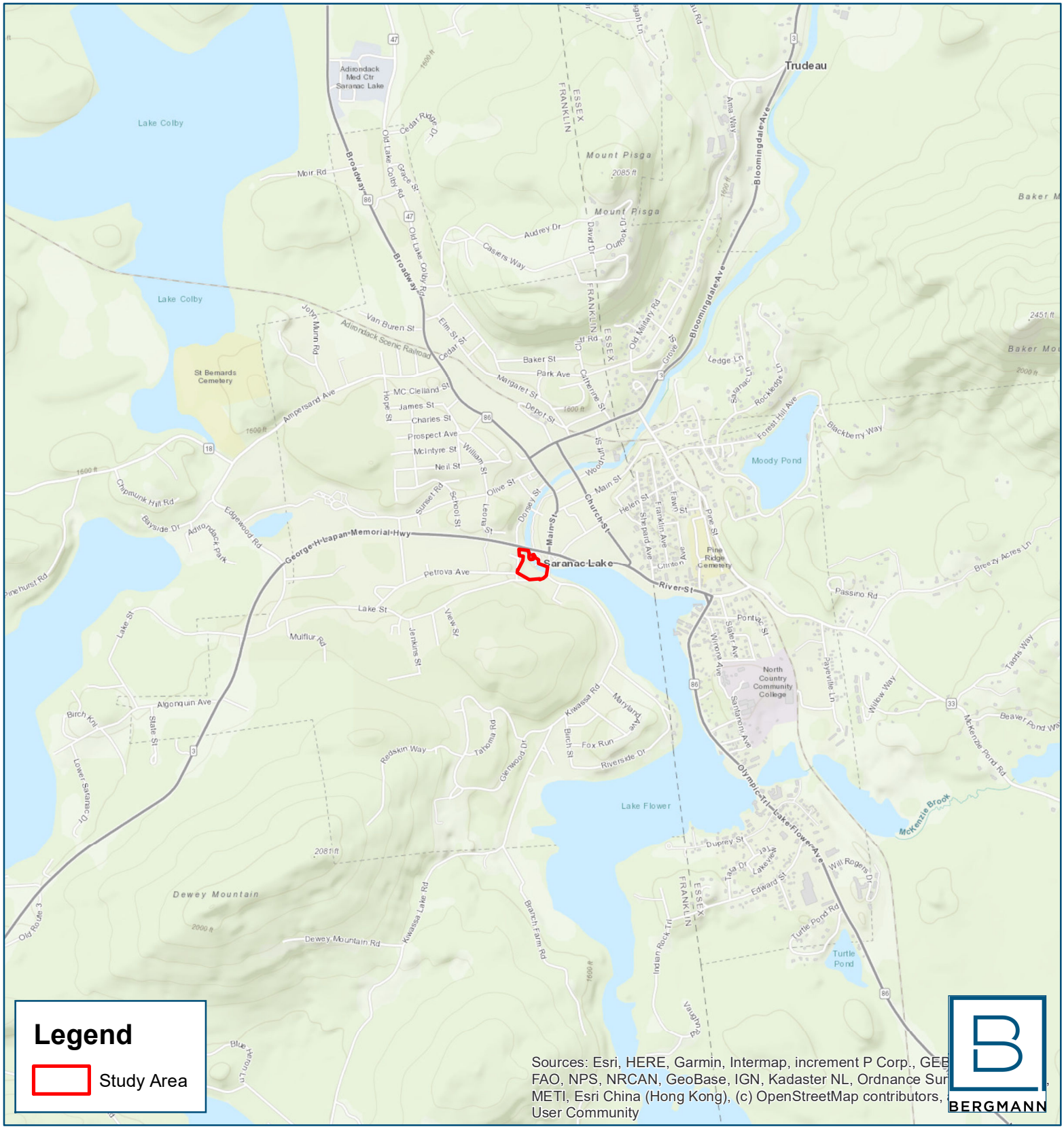
STUDY AREA LOCATION MAP

Fig. 1

2,000 Feet

N

Village of Saranac Lake, Franklin County, New York



Adirondack Park Agency Headquarters Feasibility Study Project

AERIAL IMAGERY MAP

Fig. 2

100 Feet

N

Village of Saranac Lake, Franklin County, New York



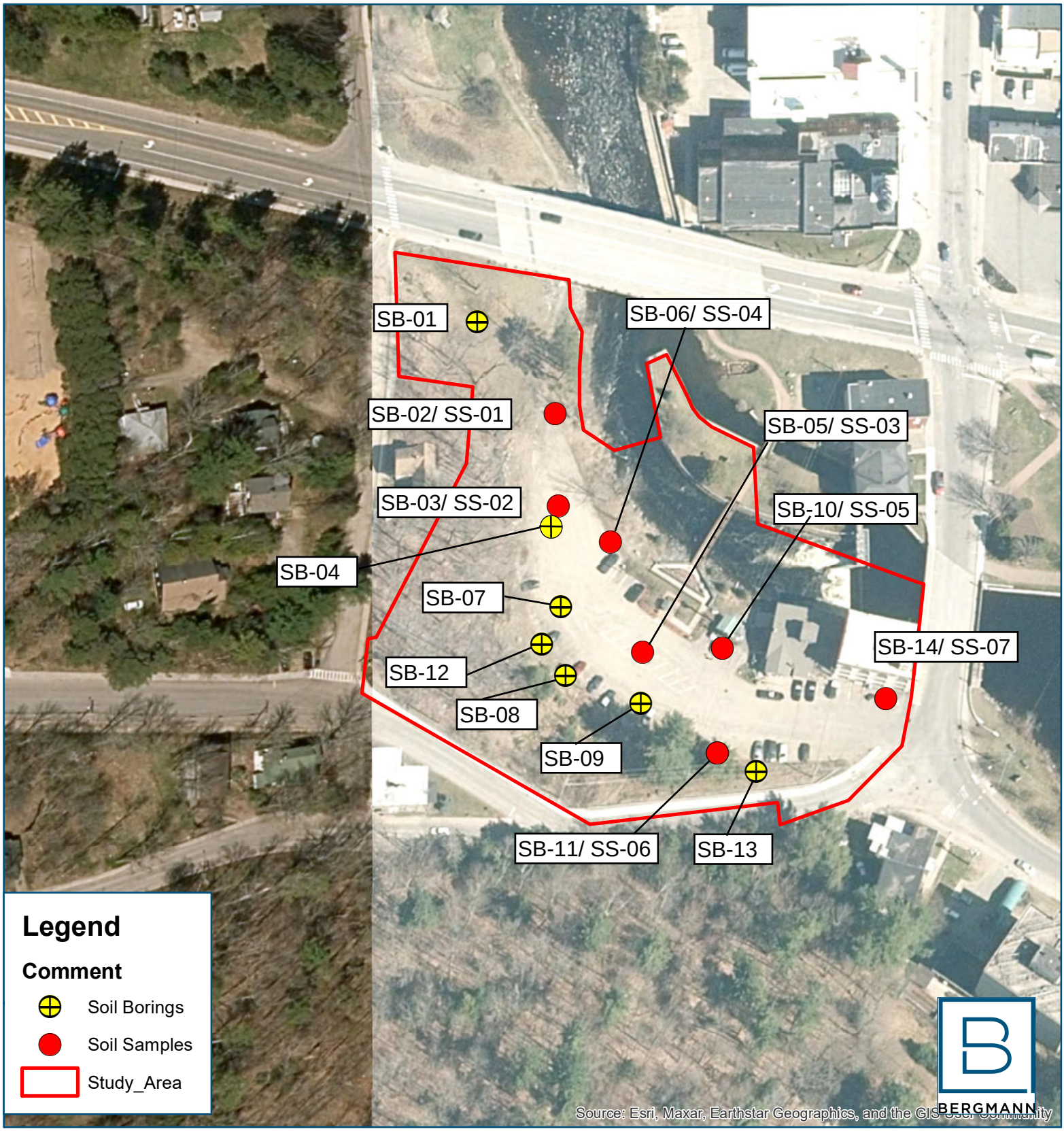
Adirondack Park Agency Headquarters Feasibility Study Phase II ESA

Soil Boring Location Map

Fig. 3

100 Feet

3 Main Street, Lake Saranac, New York



APPENDIX 1

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Test Boring Report

SB-02

Project:	OGS-APA relocation site suitability
Client:	OGS
Contractor	SoilTesting, Inc.

File No:	23010004G
Sheet No:	1 of 1
Location:	See Plan
Elevation:	
Datum:	
Start:	
Finish	
Driller:	SoilTesting, Inc
Geologist:	Bergmann

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other:	Automatic
Other:	NA				

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	80%		0-4 inches inorganic top soil, dark brown
2			0.0			0.0'-2.0' Dark Brown 7.5YR 2.5/2 SAND, some gravel, trace silt, Trace organics
4			0.0	70%		2.0'-6.0' Brownish Gray 7.5YR 5/1 Sandy, some gravel
6			0.0 0.0	70%		
8			0.0	70%		6.0'-10.0' Brownish 7.5YR 3/3 Sand, some gravel, trace Silt & Clay
10			0.0	SS-01 (8.0-9.0 ft)		
12						End of boring at 10ft
14						
16						
18						
20						
22						

Ground Water Data

Date	Time	Elapsed Time (HR)	Depth: Bottom Of Casing	Depth: Bottom Of Hole	Depth: Groundwater Encountered
9/25/2023		none	n/a	10.0	9.5

Summary

Overburden (Lin FT)	
Rock Cored (Lin FT)	none
Samples:	SB-01 8.0-9.0'

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Test Boring Report

SB-03

Project:	OGS-APA relocation site suitability
Client:	OGS
Contractor	SoilTesting, Inc.

File No:	23010004G
Sheet No:	1 of 1
Location:	See Plan
Elevation:	
Datum:	
Start:	
Finish	
Driller:	SoilTesting, Inc
Geologist:	Bergmann

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other:	Automatic
Other:	NA				

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	70%		0-9" inch Asphalt
2			0.0			9"-2.0' Brown 7.5YR 4/3 SAND, some gravel, trace silt
4	SS-02 (3.0-4.0 ft)		0.0	70%		2.0'-4.0' Brownish Gray 7.5YR 5/1 Sandy, some gravel
6			0.0 0.0	70%		4.0'-6.0' Brownish 7.5YR 3/3 Sand, trace Silt & Clay
8			0.0	60%		6.0'-10.0' Dark Brown 7.5YR 3/2 Sand, some Silt & Clay
10			0.0	60%		
12						End of boring at 10ft
14						
16						
18						
20						
22						

Ground Water Data

Date	Time	Elapsed Time (HR)	Depth: Bottom Of Casing	Depth: Bottom Of Hole	Depth: Groundwater Encountered
9/25/2023		none	n/a	10.0"	8.0"

Summary

Overburden (Lin FT)	
Rock Cored (Lin FT)	none
Samples:	SB-01 8.0-9.0'

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Test Boring Report

SB-04

Project:	OGS-APA relocation site suitability	File No:	23010004G
Client:	OGS	Sheet No:	1 of 1
Contractor	SoilTesting, Inc.	Location:	See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures		Elevation:	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x	Datum:	
Inside Diameter (IN):				Bit Type:	N/A	Start:	
Hemmer Weight (LBS):				Drill Mud:	N/A	Finish	
Hammer Fall (IN):	NA			Other:	Automatic		
Other:	NA					Driller:	SoilTesting, Inc
						Geologist:	Bergmann

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	70%		0-7" inch Asphalt
2			0.0			9"-2.0' Brown 7.5YR 4/3 some Sand, some gravel, trace silt
4			0.0	60%		2.0'-4.0' Brownish Gray 7.5YR 5/1 Sandy, some gravel, trace silt
6			0.0 0.0	80%		4.0'-8.0' Brownish 7.5YR 3/3 Sand, trace Silt & Clay
8			0.0	90%		
10						End of Boring 8.0 ft
12						
14						
16						
18						
20						
22						

Ground Water Data						Summary	
			Depth			Overburden (Lin FT)	
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered	Rock Cored (Lin FT)	none
9/25/2023		none	n/a	8.0"	8.0"	Samples:	

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Test Boring Report

SB-05

Project:	OGS-APA relocation site suitability
Client:	OGS
Contractor	SoilTesting, Inc.

File No:	23010004G
Sheet No:	1 of 1
Location:	See Plan
Elevation:	
Datum:	
Start:	
Finish	
Driller:	SoilTesting, Inc
Geologist:	Bergmann

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other:	Automatic
Other:	NA				

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	70%		0-5" inch Asphalt
						5"-1.0" Dark Brown 10YR 3/2 Sand, trace gravel, trace silt
2			0.0			1.0"-2.0" Brownish Gray 10YR 4/4 Sand, gravel, trace silt
				60%		2.0"-4.0" Brown with yellow tint 10YR 5/3 Sandy, some gravel, trace silt
4			0.0			
	SS-03 (5.0"-6.0")		0.0	80%		4.0"-6.0" light brown 10YR 5/6 Sand, trace Silt & Clay
6			0.0			
				70%		6.0"-10.0" Brown 7.5YR 5/6 Sand, trace Silt & Clay, trace gravel
8			0.0			
				70%		
			0.0			
10						End of Boring 10.0 ft
12						
14						
16						
18						
20						
22						

Ground Water Data

			Depth		
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered
9/25/2023		none	n/a	8.0"	8.0"

Summary

Overburden (Lin FT)	
Rock Cored (Lin FT)	none
Samples:	SS-03 (5.0-6.0 ft)

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Test Boring Report

SB-06

Project:	OGS-APA relocation site suitability
Client:	OGS
Contractor	SoilTesting, Inc.

File No:	23010004G
Sheet No:	1 of 1
Location:	See Plan
Elevation:	
Datum:	
Start:	
Finish	
Driller:	SoilTesting, Inc
Geologist:	Bergmann

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other:	Automatic
Other:	NA				

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-11" inch Asphalt 11"-2'.0" Brown 7.5 YR 3/1 Sand, gravel, trace silt
2			0.0			
4			0.0	65%		2'.0"-4'.0" Brown 7.5 YR 3/1 Sand, some gravel, trace silt
6	SS-04 (4'.5"-5'.5")		0.0 0.0	80%		4'.0"-8'.0" light brown 7.5 YR 5/3 Sand, Silt & Clay, trace gravel
8			0.0	80%		8'.0"-10'.0" Brown 7.5YR 4/3 Sand, Silt & Clay, trace gravel
10			0.0			End of Boring 10.0 ft
12						
14						
16						
18						
20						
22						

Ground Water Data

			Depth		
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered
9/25/2023		none	n/a	10.0"	8.0"

Summary

Overburden (Lin FT)

Rock Cored (Lin FT) none

Samples: SS-04 (4.5"-5.5" ft)

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Test Boring Report

SB-07

Project:	OGS-APA relocation site suitability
Client:	OGS
Contractor	SoilTesting, Inc.

File No:	23010004G
Sheet No:	1 of 1
Location:	See Plan
Elevation:	
Datum:	
Start:	
Finish	
Driller:	SoilTesting, Inc
Geologist:	Bergmann

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other:	Automatic
Other:	NA				

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-4" inch Asphalt
2			0.0			4"-4'.0" light brown 7.5 YR 5/3 Sand, gravel
4			0.0	65%		
6			0.0 0.0	80%		4'.0"-6'.0" brown 7.5 YR 4/3 Sand, silt , trace gravel
8			0.0	80%		6'.0"-8'.0" Darker Brown 7.5YR 3/3 Sand, Silt, trace gravel
10			0.0	80%		8'.0"-10'.0" Darker Brown 7.5YR 3/3 Sand, Silt & Clay, trace gravel
12						End of Boring 10.0 ft
14						
16						
18						
20						
22						

Ground Water Data

Date	Time	Elapsed Time (HR)	Depth: Bottom Of Casing	Depth: Bottom Of Hole	Depth: Groundwater Encountered
9/25/2023		none	n/a	10.0"	8.0"

Summary

Overburden (Lin FT)	
Rock Cored (Lin FT)	none
Samples:	

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Test Boring Report

SB-08

Project:	OGS-APA relocation site suitability
Client:	OGS
Contractor	SoilTesting, Inc.

File No:	23010004G
Sheet No:	1 of 1
Location:	See Plan
Elevation:	
Datum:	
Start:	
Finish	
Driller:	SoilTesting, Inc
Geologist:	Bergmann

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other:	Automatic
Other:	NA				

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-4" inch Asphalt
2			0.0			4"-4'.0" light brown 7.5 YR 5/3 Sand, trace organics, gravel
4			0.0	65%		
6			0.0	80%		4'.0"-8'.0" light brown 7.5 YR 5/3 Sand, clay silt , trace gravel
8			0.0	80%		8'.0"-10'.0" Brown 7.5YR 4/3 Sand, Silt, trace gravel
10			0.0			
12						
14						
16			0.0			15'.0 -17'.0" Bedrock
18			0.0			17'.0"-18'.0" Bedrock
20			0.0			18'.0"-20'.0 Bedrock
22			0.0			20'.0-22'.0" Bedrock
						End of Boring 22.5 ft

Ground Water Data

Date	Time	Elapsed Time (HR)	Depth: Bottom Of Casing	Depth: Bottom Of Hole	Depth: Groundwater Encountered
9/26/2023		none	n/a	22'.5	8.0"

Summary

Overburden (Lin FT)	
Rock Cored (Lin FT)	none
Samples:	

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Test Boring Report

SB-09

Project: OGS-APA relocation site suitability
Client: OGS
Contractor: SoilTesting, Inc.

File No: 23010004G
Sheet No: 1 of 1
Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other: Automatic	
Other:	NA				

Elevation:
Datum:
Start:
Finish
Driller: SoilTesting, Inc
Geologist: Bergmann

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-2" inch Topsoil
2			0.0			2"-2'.0" light brown 7.5 YR 5/3 Sand, trace silty clay, trace gravel
4			0.0	0%		No Recovery
6			0.0	70%		4'.0"-9'.0" light brown with gray tint 7.5 YR 4/1 Sand, clay silt
8			0.0	60%		
10				0%		
12						End of Boring 9.0 ft, Auger Refusal
14						
16						
18						
20						
22						

Ground Water Data

	Depth			
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered
9/26/2023		none	n/a	9'.0	N/D

Summary

Overburden (Lin FT)
Rock Cored (Lin FT) none
Samples:

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Test Boring Report

SB-10

Project: OGS-APA relocation site suitability
Client: OGS
Contractor: SoilTesting, Inc.

File No: 23010004G
Sheet No: 1 of 1
Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other: Automatic	
Other:	NA				

Elevation:
Datum:
Start:
Finish

Driller: SoilTesting, Inc
Geologist: Bergmann

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-4" inch Asphalt 4"-4'.0" light brown 7.5 YR 5/3 some Sand, trace silty clay
2			0.0			
4			0.0	60%		
6			0.0 0.0	70%		4'.0"-6'.0" brown 7.5 YR 4/2 gravel with sand, clay silt
8	SS-05 (6'.0-7'.0)		0.0	60%		6'.0"-9'.0" lighter brown 7.5 YR 5/2 Sand, clay silt
10			0.0	60%		9'-9'.5" Rock cropping
12			0.0	60%		9.5'.0"-14'.0" brown with reddish tint 5 YR 4/3 Sandy, Wet
14				50%		
16						End of Boring 14.0
18						
20						
22						

Ground Water Data

			Depth		
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered
9/26/2023		none	n/a	14'.0	9'.0

Summary

Overburden (Lin FT)
Rock Cored (Lin FT) none
Samples: SS-05 (6'.0-7'.0ft)

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Test Boring Report

SB-11

Project: OGS-APA relocation site suitability
Client: OGS
Contractor: SoilTesting, Inc.

File No: 23010004G
Sheet No: 1 of 1
Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures
Type:	HAS- CME-550x			Rig Type: HAS- CME-550x
Inside Diameter (IN):				Bit Type: N/A
Hemmer Weight (LBS):				Drill Mud: N/A
Hammer Fall (IN):	NA			Other: Automatic
Other:	NA			

Elevation:
Datum:
Start:
Finish

Driller: SoilTesting, Inc
Geologist: Bergmann

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-4" inch Asphalt
2			0.0			4"-4'.0" light brown 7.5 YR 5/3 Sand, gravel
4			0.0	60%		
6	SS-06 (5'.0-6'.0)		0.0 0.0	70%		4'.0"-6'.0" light brown 7.5 YR 7/1 Sandy course with stone
8			0.0	0%		N/A retreived
10			0.0	60%		8'.0"-12'.0 brown 7.5 YR 4/6 Sandy course, wet
12			0.0	60%		
14						End of Boring 12.0
16						
18						
20						
22						

Ground Water Data

Date	Time	Elapsed Time (HR)	Depth: Bottom Of Casing	Depth: Bottom Of Hole	Depth: Groundwater Encountered
9/27/2023		none	n/a	12'.0	8'.0

Summary

Overburden (Lin FT)
Rock Cored (Lin FT) none
Samples: SS-06 (5'.0-6'.0ft)

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Test Boring Report

SB-12

Project: OGS-APA relocation site suitability
Client: OGS
Contractor SoilTesting, Inc.

File No: 23010004G
Sheet No: 1 of 1
Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other: Automatic	
Other:	NA				

Elevation:
Datum:
Start:
Finish

Driller: SoilTesting, Inc
Geologist: Bergmann

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-2" inch Topsoil 4"-2'.0" light brown 7.5 YR 5/3 Sand, root fragments, silty clay
2			0.0			
4			0.0	60%		2'.0"-6'.0" light brown 7.5 YR 5/3 Sand, gravel. Little siltyclay
6			0.0 0.0	70%		
8			0.0	0%		6'.0"-10'.0" brown 7.5 YR 5/6 Fine Sand, gravel. Little siltyclay
10			0.0	60%		
12						End of Boring 10'.0"
14						
16						
18						
20						
22						

Ground Water Data

Date	Time	Elapsed Time (HR)	Depth: Bottom Of Casing	Depth: Bottom Of Hole	Depth: Groundwater Encountered
9/27/2023		none	n/a	10'.0	8'.0

Summary

Overburden (Lin FT)
Rock Cored (Lin FT) none
Samples:

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Test Boring Report

SB-13

Project: OGS-APA relocation site suitability
Client: OGS
Contractor SoilTesting, Inc.

File No: 23010004G
Sheet No: 1 of 1
Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures	
Type:	HAS- CME-550x			Rig Type:	HAS- CME-550x
Inside Diameter (IN):				Bit Type:	N/A
Hemmer Weight (LBS):				Drill Mud:	N/A
Hammer Fall (IN):	NA			Other: Automatic	
Other:	NA				

Elevation:
Datum:
Start:
Finish

Driller: SoilTesting, Inc
Geologist: Bergmann

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-2" inch Topsoil 4"-2'.0" light brown 7.5 YR 5/3 Sand, some gravel, silty clay
2			0.0			
4			0.0	0%		2'.0"-4'.0" No Recovery
6			0.0 0.0	50%		4'.0"-6'.0" Brown, Sand, some gravel, trace silty
8			0.0	0%		6'.0"-12'.0" brown 7.5 YR 3/3 Fine Sand, some gravel, Little siltyclay
10			0.0	60%		
12						End of Boring 12'.0"
14						
16						
18						
20						
22						

Ground Water Data

			Depth		
Date	Time	Elapsed Time (HR)	Bottom Of Casing	Bottom Of Hole	Groundwater Encountered
9/27/2023		none	n/a	12.0	8'.0

Summary

Overburden (Lin FT)
Rock Cored (Lin FT) none
Samples:

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Test Boring Report

SB-14

Project: OGS-APA relocation site suitability
Client: OGS
Contractor SoilTesting, Inc.

File No: 23010004G
Sheet No: 1 of 1
Location: See Plan

Item	Casing	Drive Sampler	Core Barrel	Drilling Equipment and Procedures
Type:	HAS- CME-550x			Rig Type: HAS- CME-550x
Inside Diameter (IN):				Bit Type: N/A
Hemmer Weight (LBS):				Drill Mud: N/A
Hammer Fall (IN):	NA			Other: Automatic
Other:	NA			

Elevation:
Datum:
Start:
Finish

Driller: SoilTesting, Inc
Geologist: Bergmann

Depth (FT)	Sample Depth (FT)	Sampler Blows Per 6 Inchs	Head Space (PPM)	Sample Number and Recovery	Strata Change (FT)	Visual Classification and Remarks
0			0.0	60%		0-1'.0" Asphalt 4"-2'.0" brown 7.5 YR 4/3 Sand, some gravel, trace silty
2			0.0			
4			0.0	40%		2'.0"-4'.0" light brown 7.5 YR 5/3 Sand, some gravel, trace siltyclay
6			0.0 0.0	40%		4'.0"-8'.0" brown 7.5 YR 4/2 Sand, some gravel, clay
8	SS-07 (7.5-8.0 ft)		0.0	0%		
10			0.0	60%		8'.0"-12.0" Dark brown 7.5 YR 3/2 Sand, some gravel, trace clay, Wet
12			0.0	40%		
14						
15						
17			0.0	40%		15'.0"-17.0" light brown 7.5 YR 5/3 Sand, some gravel, Wet
20						
22			0.0	40%		20'.0"-22'.0" light brown 7.5 YR 5/3 Sand, some gravel, Wet
						End of boring at 28.0 Feet

Ground Water Data

Date	Time	Elapsed Time (HR)	Depth: Bottom Of Casing	Depth: Bottom Of Hole	Depth: Groundwater Encountered
9/27/2023		none	n/a	28.0	8'.0

Summary

Overburden (Lin FT)
Rock Cored (Lin FT) none
Samples:

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APPENDIX 2

280 E. Broad Street
Rochester, NY 14604

TEL: 585.232.5135
www.bergmannpc.com

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Bergmann Associates

For Lab Project ID

234531

Referencing

23010004G APA Relocation

Prepared

Friday, October 6, 2023

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Emily Farmer

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-01 (8.0-9.0 ft)		
Lab Sample ID:	234531-01	**Date Sampled:** 9/25/2023	13:45
Matrix:	Soil	**Date Received** 9/29/2023	

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.230**	mg/Kg	DM	10/4/2023 11:54

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**0.630**	mg/Kg		10/4/2023 10:33
Barium	**15.0**	mg/Kg		10/4/2023 10:33
Cadmium	< 0.252	mg/Kg		10/4/2023 10:33
Chromium	**2.77**	mg/Kg		10/4/2023 10:33
Lead	**1.91**	mg/Kg		10/4/2023 10:33
Selenium	< 1.01	mg/Kg		10/4/2023 10:33
Silver	< 0.504	mg/Kg		10/4/2023 10:33

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 10/3/2023
Data File: 231004A

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 296	ug/Kg		10/4/2023 18:41
1,2,4,5-Tetrachlorobenzene	< 296	ug/Kg		10/4/2023 18:41
1,2,4-Trichlorobenzene	< 296	ug/Kg		10/4/2023 18:41
1,2-Dichlorobenzene	< 296	ug/Kg		10/4/2023 18:41
1,3-Dichlorobenzene	< 296	ug/Kg		10/4/2023 18:41
1,4-Dichlorobenzene	< 296	ug/Kg		10/4/2023 18:41
2,2-Oxybis (1-chloropropane)	< 296	ug/Kg		10/4/2023 18:41
2,3,4,6-Tetrachlorophenol	< 296	ug/Kg		10/4/2023 18:41
2,4,5-Trichlorophenol	< 296	ug/Kg		10/4/2023 18:41

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-01 (8.0-9.0 ft)
Lab Sample ID: 234531-01 **Date Sampled:** 9/25/2023 13:45
Matrix: Soil **Date Received** 9/29/2023

2,4,6-Trichlorophenol	< 296	ug/Kg	10/4/2023 18:41
2,4-Dichlorophenol	< 296	ug/Kg	10/4/2023 18:41
2,4-Dimethylphenol	< 296	ug/Kg	10/4/2023 18:41
2,4-Dinitrophenol	< 1190	ug/Kg	10/4/2023 18:41
2,4-Dinitrotoluene	< 296	ug/Kg	10/4/2023 18:41
2,6-Dinitrotoluene	< 296	ug/Kg	10/4/2023 18:41
2-Chloronaphthalene	< 296	ug/Kg	10/4/2023 18:41
2-Chlorophenol	< 296	ug/Kg	10/4/2023 18:41
2-Methylnapthalene	< 296	ug/Kg	10/4/2023 18:41
2-Methylphenol	< 296	ug/Kg	10/4/2023 18:41
2-Nitroaniline	< 296	ug/Kg	10/4/2023 18:41
2-Nitrophenol	< 296	ug/Kg	10/4/2023 18:41
3&4-Methylphenol	< 296	ug/Kg	10/4/2023 18:41
3,3'-Dichlorobenzidine	< 296	ug/Kg	10/4/2023 18:41
3-Nitroaniline	< 296	ug/Kg	10/4/2023 18:41
4,6-Dinitro-2-methylphenol	< 396	ug/Kg	10/4/2023 18:41
4-Bromophenyl phenyl ether	< 296	ug/Kg	10/4/2023 18:41
4-Chloro-3-methylphenol	< 296	ug/Kg	10/4/2023 18:41
4-Chloroaniline	< 296	ug/Kg	10/4/2023 18:41
4-Chlorophenyl phenyl ether	< 296	ug/Kg	10/4/2023 18:41
4-Nitroaniline	< 296	ug/Kg	10/4/2023 18:41
4-Nitrophenol	< 296	ug/Kg	10/4/2023 18:41
Acenaphthene	< 296	ug/Kg	10/4/2023 18:41
Acenaphthylene	< 296	ug/Kg	10/4/2023 18:41
Acetophenone	< 296	ug/Kg	10/4/2023 18:41
Anthracene	< 296	ug/Kg	10/4/2023 18:41
Atrazine	< 296	ug/Kg	10/4/2023 18:41
Benzaldehyde	< 296	ug/Kg	10/4/2023 18:41
Benzo (a) anthracene	< 296	ug/Kg	10/4/2023 18:41
Benzo (a) pyrene	< 296	ug/Kg	10/4/2023 18:41

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-01 (8.0-9.0 ft)
Lab Sample ID: 234531-01 **Date Sampled:** 9/25/2023 13:45
Matrix: Soil **Date Received** 9/29/2023

Benzo (b) fluoranthene	< 296	ug/Kg	10/4/2023 18:41
Benzo (g,h,i) perylene	< 296	ug/Kg	10/4/2023 18:41
Benzo (k) fluoranthene	< 296	ug/Kg	10/4/2023 18:41
Bis (2-chloroethoxy) methane	< 296	ug/Kg	10/4/2023 18:41
Bis (2-chloroethyl) ether	< 296	ug/Kg	10/4/2023 18:41
Bis (2-ethylhexyl) phthalate	< 296	ug/Kg	10/4/2023 18:41
Butylbenzylphthalate	< 296	ug/Kg	10/4/2023 18:41
Caprolactam	< 296	ug/Kg	10/4/2023 18:41
Carbazole	< 296	ug/Kg	10/4/2023 18:41
Chrysene	< 296	ug/Kg	10/4/2023 18:41
Dibenz (a,h) anthracene	< 296	ug/Kg	10/4/2023 18:41
Dibenzofuran	< 296	ug/Kg	10/4/2023 18:41
Diethyl phthalate	< 296	ug/Kg	10/4/2023 18:41
Dimethyl phthalate	< 296	ug/Kg	10/4/2023 18:41
Di-n-butyl phthalate	< 296	ug/Kg	10/4/2023 18:41
Di-n-octylphthalate	< 296	ug/Kg	10/4/2023 18:41
Fluoranthene	< 296	ug/Kg	10/4/2023 18:41
Fluorene	< 296	ug/Kg	10/4/2023 18:41
Hexachlorobenzene	< 296	ug/Kg	10/4/2023 18:41
Hexachlorobutadiene	< 296	ug/Kg	10/4/2023 18:41
Hexachlorocyclopentadiene	< 1190	ug/Kg	10/4/2023 18:41
Hexachloroethane	< 296	ug/Kg	10/4/2023 18:41
Indeno (1,2,3-cd) pyrene	< 296	ug/Kg	10/4/2023 18:41
Isophorone	< 296	ug/Kg	10/4/2023 18:41
Naphthalene	< 296	ug/Kg	10/4/2023 18:41
Nitrobenzene	< 296	ug/Kg	10/4/2023 18:41
N-Nitroso-di-n-propylamine	< 296	ug/Kg	10/4/2023 18:41
N-Nitrosodiphenylamine	< 296	ug/Kg	10/4/2023 18:41
Pentachlorophenol	< 593	ug/Kg	10/4/2023 18:41
Phenanthrene	< 296	ug/Kg	10/4/2023 18:41

Sample Identifier: SS-01 (8.0-9.0 ft)
Lab Sample ID: 234531-01 **Date Sampled:** 9/25/2023 13:45
Matrix: Soil **Date Received** 9/29/2023

Phenol	< 296	ug/Kg		10/4/2023 18:41
Pyrene	< 296	ug/Kg		10/4/2023 18:41

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**73.7**	35.1 - 95.9		10/4/2023 18:41
2-Fluorobiphenyl	**72.9**	10 - 156		10/4/2023 18:41
2-Fluorophenol	**66.9**	36 - 81.3		10/4/2023 18:41
Nitrobenzene-d5	**66.1**	31.5 - 83.8		10/4/2023 18:41
Phenol-d5	**71.1**	37.7 - 84		10/4/2023 18:41
Terphenyl-d14	**84.2**	40.5 - 99.5		10/4/2023 18:41

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/3/2023
Data File: B67280.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.56	ug/Kg		10/5/2023 15:55
1,1,2,2-Tetrachloroethane	< 5.56	ug/Kg		10/5/2023 15:55
1,1,2-Trichloroethane	< 5.56	ug/Kg		10/5/2023 15:55
1,1-Dichloroethane	< 5.56	ug/Kg		10/5/2023 15:55
1,1-Dichloroethene	< 5.56	ug/Kg		10/5/2023 15:55
1,2,3-Trichlorobenzene	< 13.9	ug/Kg		10/5/2023 15:55
1,2,4-Trichlorobenzene	< 13.9	ug/Kg		10/5/2023 15:55
1,2,4-Trimethylbenzene	< 5.56	ug/Kg		10/5/2023 15:55
1,2-Dibromo-3-Chloropropane	< 27.8	ug/Kg		10/5/2023 15:55
1,2-Dibromoethane	< 5.56	ug/Kg		10/5/2023 15:55
1,2-Dichlorobenzene	< 5.56	ug/Kg		10/5/2023 15:55
1,2-Dichloroethane	< 5.56	ug/Kg		10/5/2023 15:55
1,2-Dichloropropane	< 5.56	ug/Kg		10/5/2023 15:55
1,3,5-Trimethylbenzene	< 5.56	ug/Kg		10/5/2023 15:55
1,3-Dichlorobenzene	< 5.56	ug/Kg		10/5/2023 15:55
1,4-Dichlorobenzene	< 5.56	ug/Kg		10/5/2023 15:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-01 (8.0-9.0 ft)
Lab Sample ID: 234531-01 **Date Sampled:** 9/25/2023 13:45
Matrix: Soil **Date Received** 9/29/2023

1,4-Dioxane	< 27.8	ug/Kg	10/5/2023	15:55
2-Butanone	< 27.8	ug/Kg	10/5/2023	15:55
2-Hexanone	< 13.9	ug/Kg	10/5/2023	15:55
4-Methyl-2-pentanone	< 13.9	ug/Kg	10/5/2023	15:55
Acetone	< 27.8	ug/Kg	10/5/2023	15:55
Benzene	< 5.56	ug/Kg	10/5/2023	15:55
Bromochloromethane	< 13.9	ug/Kg	10/5/2023	15:55
Bromodichloromethane	< 5.56	ug/Kg	10/5/2023	15:55
Bromoform	< 13.9	ug/Kg	10/5/2023	15:55
Bromomethane	< 5.56	ug/Kg	10/5/2023	15:55
Carbon disulfide	< 5.56	ug/Kg	10/5/2023	15:55
Carbon Tetrachloride	< 5.56	ug/Kg	10/5/2023	15:55
Chlorobenzene	< 5.56	ug/Kg	10/5/2023	15:55
Chloroethane	< 5.56	ug/Kg	10/5/2023	15:55
Chloroform	< 5.56	ug/Kg	10/5/2023	15:55
Chloromethane	< 5.56	ug/Kg	10/5/2023	15:55
cis-1,2-Dichloroethene	< 5.56	ug/Kg	10/5/2023	15:55
cis-1,3-Dichloropropene	< 5.56	ug/Kg	10/5/2023	15:55
Cyclohexane	< 27.8	ug/Kg	10/5/2023	15:55
Dibromochloromethane	< 5.56	ug/Kg	10/5/2023	15:55
Dichlorodifluoromethane	< 5.56	ug/Kg	10/5/2023	15:55
Ethylbenzene	< 5.56	ug/Kg	10/5/2023	15:55
Freon 113	< 5.56	ug/Kg	10/5/2023	15:55
Isopropylbenzene	< 5.56	ug/Kg	10/5/2023	15:55
m,p-Xylene	< 5.56	ug/Kg	10/5/2023	15:55
Methyl acetate	< 5.56	ug/Kg	10/5/2023	15:55
Methyl tert-butyl Ether	< 5.56	ug/Kg	10/5/2023	15:55
Methylcyclohexane	< 5.56	ug/Kg	10/5/2023	15:55
Methylene chloride	< 13.9	ug/Kg	10/5/2023	15:55
Naphthalene	< 13.9	ug/Kg	10/5/2023	15:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-01 (8.0-9.0 ft)		
Lab Sample ID:	234531-01	**Date Sampled:** 9/25/2023	13:45
Matrix:	Soil	**Date Received** 9/29/2023	

n-Butylbenzene	< 5.56	ug/Kg	10/5/2023	15:55
n-Propylbenzene	< 5.56	ug/Kg	10/5/2023	15:55
o-Xylene	< 5.56	ug/Kg	10/5/2023	15:55
p-Isopropyltoluene	< 5.56	ug/Kg	10/5/2023	15:55
sec-Butylbenzene	< 5.56	ug/Kg	10/5/2023	15:55
Styrene	< 13.9	ug/Kg	10/5/2023	15:55
tert-Butylbenzene	< 5.56	ug/Kg	10/5/2023	15:55
Tetrachloroethene	< 5.56	ug/Kg	10/5/2023	15:55
Toluene	< 5.56	ug/Kg	10/5/2023	15:55
trans-1,2-Dichloroethene	< 5.56	ug/Kg	10/5/2023	15:55
trans-1,3-Dichloropropene	< 5.56	ug/Kg	10/5/2023	15:55
Trichloroethene	< 5.56	ug/Kg	10/5/2023	15:55
Trichlorofluoromethane	< 5.56	ug/Kg	10/5/2023	15:55
Vinyl chloride	< 5.56	ug/Kg	10/5/2023	15:55

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**	
1,2-Dichloroethane-d4	**110**	72.3 - 128		10/5/2023	15:55
4-Bromofluorobenzene	**90.7**	70 - 123		10/5/2023	15:55
Pentafluorobenzene	**104**	80.7 - 124		10/5/2023	15:55
Toluene-D8	**99.6**	82.1 - 121		10/5/2023	15:55

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z20044.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-02 (3.0-4.0 ft)		
Lab Sample ID:	234531-02	**Date Sampled:** 9/25/2023	14:20
Matrix:	Soil	**Date Received** 9/29/2023	

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00847	mg/Kg		10/4/2023 12:00

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**0.625**	mg/Kg		10/4/2023 10:46
Barium	**9.36**	mg/Kg		10/4/2023 10:46
Cadmium	< 0.252	mg/Kg		10/4/2023 10:46
Chromium	**2.53**	mg/Kg		10/4/2023 10:46
Lead	**0.857**	mg/Kg		10/4/2023 10:46
Selenium	< 1.01	mg/Kg		10/4/2023 10:46
Silver	< 0.504	mg/Kg		10/4/2023 10:46

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 10/3/2023
Data File: 231004A

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 299	ug/Kg		10/4/2023 19:10
1,2,4,5-Tetrachlorobenzene	< 299	ug/Kg		10/4/2023 19:10
1,2,4-Trichlorobenzene	< 299	ug/Kg		10/4/2023 19:10
1,2-Dichlorobenzene	< 299	ug/Kg		10/4/2023 19:10
1,3-Dichlorobenzene	< 299	ug/Kg		10/4/2023 19:10
1,4-Dichlorobenzene	< 299	ug/Kg		10/4/2023 19:10
2,2-Oxybis (1-chloropropane)	< 299	ug/Kg		10/4/2023 19:10
2,3,4,6-Tetrachlorophenol	< 299	ug/Kg		10/4/2023 19:10
2,4,5-Trichlorophenol	< 299	ug/Kg		10/4/2023 19:10

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-02 (3.0-4.0 ft)
Lab Sample ID: 234531-02 **Date Sampled:** 9/25/2023 14:20
Matrix: Soil **Date Received** 9/29/2023

2,4,6-Trichlorophenol	< 299	ug/Kg	10/4/2023	19:10
2,4-Dichlorophenol	< 299	ug/Kg	10/4/2023	19:10
2,4-Dimethylphenol	< 299	ug/Kg	10/4/2023	19:10
2,4-Dinitrophenol	< 1190	ug/Kg	10/4/2023	19:10
2,4-Dinitrotoluene	< 299	ug/Kg	10/4/2023	19:10
2,6-Dinitrotoluene	< 299	ug/Kg	10/4/2023	19:10
2-Chloronaphthalene	< 299	ug/Kg	10/4/2023	19:10
2-Chlorophenol	< 299	ug/Kg	10/4/2023	19:10
2-Methylnapthalene	< 299	ug/Kg	10/4/2023	19:10
2-Methylphenol	< 299	ug/Kg	10/4/2023	19:10
2-Nitroaniline	< 299	ug/Kg	10/4/2023	19:10
2-Nitrophenol	< 299	ug/Kg	10/4/2023	19:10
3&4-Methylphenol	< 299	ug/Kg	10/4/2023	19:10
3,3'-Dichlorobenzidine	< 299	ug/Kg	10/4/2023	19:10
3-Nitroaniline	< 299	ug/Kg	10/4/2023	19:10
4,6-Dinitro-2-methylphenol	< 400	ug/Kg	10/4/2023	19:10
4-Bromophenyl phenyl ether	< 299	ug/Kg	10/4/2023	19:10
4-Chloro-3-methylphenol	< 299	ug/Kg	10/4/2023	19:10
4-Chloroaniline	< 299	ug/Kg	10/4/2023	19:10
4-Chlorophenyl phenyl ether	< 299	ug/Kg	10/4/2023	19:10
4-Nitroaniline	< 299	ug/Kg	10/4/2023	19:10
4-Nitrophenol	< 299	ug/Kg	10/4/2023	19:10
Acenaphthene	< 299	ug/Kg	10/4/2023	19:10
Acenaphthylene	< 299	ug/Kg	10/4/2023	19:10
Acetophenone	< 299	ug/Kg	10/4/2023	19:10
Anthracene	< 299	ug/Kg	10/4/2023	19:10
Atrazine	< 299	ug/Kg	10/4/2023	19:10
Benzaldehyde	< 299	ug/Kg	10/4/2023	19:10
Benzo (a) anthracene	< 299	ug/Kg	10/4/2023	19:10
Benzo (a) pyrene	< 299	ug/Kg	10/4/2023	19:10

Sample Identifier:	SS-02 (3.0-4.0 ft)		
Lab Sample ID:	234531-02	**Date Sampled:** 9/25/2023	14:20
Matrix:	Soil	**Date Received** 9/29/2023	

Benzo (b) fluoranthene	< 299	ug/Kg	10/4/2023	19:10
Benzo (g,h,i) perylene	< 299	ug/Kg	10/4/2023	19:10
Benzo (k) fluoranthene	< 299	ug/Kg	10/4/2023	19:10
Bis (2-chloroethoxy) methane	< 299	ug/Kg	10/4/2023	19:10
Bis (2-chloroethyl) ether	< 299	ug/Kg	10/4/2023	19:10
Bis (2-ethylhexyl) phthalate	< 299	ug/Kg	10/4/2023	19:10
Butylbenzylphthalate	< 299	ug/Kg	10/4/2023	19:10
Caprolactam	< 299	ug/Kg	10/4/2023	19:10
Carbazole	< 299	ug/Kg	10/4/2023	19:10
Chrysene	< 299	ug/Kg	10/4/2023	19:10
Dibenz (a,h) anthracene	< 299	ug/Kg	10/4/2023	19:10
Dibenzofuran	< 299	ug/Kg	10/4/2023	19:10
Diethyl phthalate	< 299	ug/Kg	10/4/2023	19:10
Dimethyl phthalate	< 299	ug/Kg	10/4/2023	19:10
Di-n-butyl phthalate	< 299	ug/Kg	10/4/2023	19:10
Di-n-octylphthalate	< 299	ug/Kg	10/4/2023	19:10
Fluoranthene	< 299	ug/Kg	10/4/2023	19:10
Fluorene	< 299	ug/Kg	10/4/2023	19:10
Hexachlorobenzene	< 299	ug/Kg	10/4/2023	19:10
Hexachlorobutadiene	< 299	ug/Kg	10/4/2023	19:10
Hexachlorocyclopentadiene	< 1190	ug/Kg	10/4/2023	19:10
Hexachloroethane	< 299	ug/Kg	10/4/2023	19:10
Indeno (1,2,3-cd) pyrene	< 299	ug/Kg	10/4/2023	19:10
Isophorone	< 299	ug/Kg	10/4/2023	19:10
Naphthalene	< 299	ug/Kg	10/4/2023	19:10
Nitrobenzene	< 299	ug/Kg	10/4/2023	19:10
N-Nitroso-di-n-propylamine	< 299	ug/Kg	10/4/2023	19:10
N-Nitrosodiphenylamine	< 299	ug/Kg	10/4/2023	19:10
Pentachlorophenol	< 597	ug/Kg	10/4/2023	19:10
Phenanthrene	< 299	ug/Kg	10/4/2023	19:10

Sample Identifier: SS-02 (3.0-4.0 ft)
Lab Sample ID: 234531-02 **Date Sampled:** 9/25/2023 14:20
Matrix: Soil **Date Received** 9/29/2023

Phenol	< 299	ug/Kg		10/4/2023 19:10
Pyrene	< 299	ug/Kg		10/4/2023 19:10

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**44.8**	35.1 - 95.9		10/4/2023 19:10
2-Fluorobiphenyl	**49.3**	10 - 156		10/4/2023 19:10
2-Fluorophenol	**46.8**	36 - 81.3		10/4/2023 19:10
Nitrobenzene-d5	**46.5**	31.5 - 83.8		10/4/2023 19:10
Phenol-d5	**49.1**	37.7 - 84		10/4/2023 19:10
Terphenyl-d14	**55.3**	40.5 - 99.5		10/4/2023 19:10

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/3/2023
Data File: B67281.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.96	ug/Kg		10/5/2023 16:14
1,1,2,2-Tetrachloroethane	< 7.96	ug/Kg		10/5/2023 16:14
1,1,2-Trichloroethane	< 7.96	ug/Kg		10/5/2023 16:14
1,1-Dichloroethane	< 7.96	ug/Kg		10/5/2023 16:14
1,1-Dichloroethene	< 7.96	ug/Kg		10/5/2023 16:14
1,2,3-Trichlorobenzene	< 19.9	ug/Kg		10/5/2023 16:14
1,2,4-Trichlorobenzene	< 19.9	ug/Kg		10/5/2023 16:14
1,2,4-Trimethylbenzene	< 7.96	ug/Kg		10/5/2023 16:14
1,2-Dibromo-3-Chloropropane	< 39.8	ug/Kg		10/5/2023 16:14
1,2-Dibromoethane	< 7.96	ug/Kg		10/5/2023 16:14
1,2-Dichlorobenzene	< 7.96	ug/Kg		10/5/2023 16:14
1,2-Dichloroethane	< 7.96	ug/Kg		10/5/2023 16:14
1,2-Dichloropropane	< 7.96	ug/Kg		10/5/2023 16:14
1,3,5-Trimethylbenzene	< 7.96	ug/Kg		10/5/2023 16:14
1,3-Dichlorobenzene	< 7.96	ug/Kg		10/5/2023 16:14
1,4-Dichlorobenzene	< 7.96	ug/Kg		10/5/2023 16:14

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-02 (3.0-4.0 ft)
Lab Sample ID: 234531-02 **Date Sampled:** 9/25/2023 14:20
Matrix: Soil **Date Received** 9/29/2023

1,4-Dioxane	< 39.8	ug/Kg	10/5/2023	16:14
2-Butanone	< 39.8	ug/Kg	10/5/2023	16:14
2-Hexanone	< 19.9	ug/Kg	10/5/2023	16:14
4-Methyl-2-pentanone	< 19.9	ug/Kg	10/5/2023	16:14
Acetone	< 39.8	ug/Kg	10/5/2023	16:14
Benzene	< 7.96	ug/Kg	10/5/2023	16:14
Bromochloromethane	< 19.9	ug/Kg	10/5/2023	16:14
Bromodichloromethane	< 7.96	ug/Kg	10/5/2023	16:14
Bromoform	< 19.9	ug/Kg	10/5/2023	16:14
Bromomethane	< 7.96	ug/Kg	10/5/2023	16:14
Carbon disulfide	< 7.96	ug/Kg	10/5/2023	16:14
Carbon Tetrachloride	< 7.96	ug/Kg	10/5/2023	16:14
Chlorobenzene	< 7.96	ug/Kg	10/5/2023	16:14
Chloroethane	< 7.96	ug/Kg	10/5/2023	16:14
Chloroform	< 7.96	ug/Kg	10/5/2023	16:14
Chloromethane	< 7.96	ug/Kg	10/5/2023	16:14
cis-1,2-Dichloroethene	< 7.96	ug/Kg	10/5/2023	16:14
cis-1,3-Dichloropropene	< 7.96	ug/Kg	10/5/2023	16:14
Cyclohexane	< 39.8	ug/Kg	10/5/2023	16:14
Dibromochloromethane	< 7.96	ug/Kg	10/5/2023	16:14
Dichlorodifluoromethane	< 7.96	ug/Kg	10/5/2023	16:14
Ethylbenzene	< 7.96	ug/Kg	10/5/2023	16:14
Freon 113	< 7.96	ug/Kg	10/5/2023	16:14
Isopropylbenzene	< 7.96	ug/Kg	10/5/2023	16:14
m,p-Xylene	< 7.96	ug/Kg	10/5/2023	16:14
Methyl acetate	< 7.96	ug/Kg	10/5/2023	16:14
Methyl tert-butyl Ether	< 7.96	ug/Kg	10/5/2023	16:14
Methylcyclohexane	< 7.96	ug/Kg	10/5/2023	16:14
Methylene chloride	< 19.9	ug/Kg	10/5/2023	16:14
Naphthalene	< 19.9	ug/Kg	10/5/2023	16:14

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-02 (3.0-4.0 ft)		
Lab Sample ID:	234531-02	**Date Sampled:** 9/25/2023	14:20
Matrix:	Soil	**Date Received** 9/29/2023	

n-Butylbenzene	< 7.96	ug/Kg	10/5/2023	16:14
n-Propylbenzene	< 7.96	ug/Kg	10/5/2023	16:14
o-Xylene	< 7.96	ug/Kg	10/5/2023	16:14
p-Isopropyltoluene	< 7.96	ug/Kg	10/5/2023	16:14
sec-Butylbenzene	< 7.96	ug/Kg	10/5/2023	16:14
Styrene	< 19.9	ug/Kg	10/5/2023	16:14
tert-Butylbenzene	< 7.96	ug/Kg	10/5/2023	16:14
Tetrachloroethene	< 7.96	ug/Kg	10/5/2023	16:14
Toluene	< 7.96	ug/Kg	10/5/2023	16:14
trans-1,2-Dichloroethene	< 7.96	ug/Kg	10/5/2023	16:14
trans-1,3-Dichloropropene	< 7.96	ug/Kg	10/5/2023	16:14
Trichloroethene	< 7.96	ug/Kg	10/5/2023	16:14
Trichlorofluoromethane	< 7.96	ug/Kg	10/5/2023	16:14
Vinyl chloride	< 7.96	ug/Kg	10/5/2023	16:14

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**	
1,2-Dichloroethane-d4	**109**	72.3 - 128		10/5/2023	16:14
4-Bromofluorobenzene	**90.6**	70 - 123		10/5/2023	16:14
Pentafluorobenzene	**103**	80.7 - 124		10/5/2023	16:14
Toluene-D8	**99.4**	82.1 - 121		10/5/2023	16:14

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z20045.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-03 (5.0-6.0 ft)		
Lab Sample ID:	234531-03	**Date Sampled:** 9/25/2023	16:20
Matrix:	Soil	**Date Received** 9/29/2023	

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00771	mg/Kg		10/4/2023 12:02

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.533	mg/Kg		10/4/2023 10:49
Barium	**17.8**	mg/Kg		10/4/2023 10:49
Cadmium	< 0.266	mg/Kg		10/4/2023 10:49
Chromium	**1.35**	mg/Kg		10/4/2023 10:49
Lead	**0.639**	mg/Kg		10/4/2023 10:49
Selenium	< 1.07	mg/Kg		10/4/2023 10:49
Silver	< 0.533	mg/Kg		10/4/2023 10:49

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 10/3/2023
Data File: 231004A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1221	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1232	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1242	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1248	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1254	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1260	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1262	< 0.121	mg/Kg		10/4/2023 18:21
PCB-1268	< 0.121	mg/Kg		10/4/2023 18:21

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-03 (5.0-6.0 ft)
Lab Sample ID: 234531-03 **Date Sampled:** 9/25/2023 16:20
Matrix: Soil **Date Received** 9/29/2023

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**52.0**	10 - 110		10/4/2023 18:21

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/4/2023

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 275	ug/Kg		10/4/2023 19:39
1,2,4,5-Tetrachlorobenzene	< 275	ug/Kg		10/4/2023 19:39
1,2,4-Trichlorobenzene	< 275	ug/Kg		10/4/2023 19:39
1,2-Dichlorobenzene	< 275	ug/Kg		10/4/2023 19:39
1,3-Dichlorobenzene	< 275	ug/Kg		10/4/2023 19:39
1,4-Dichlorobenzene	< 275	ug/Kg		10/4/2023 19:39
2,2-Oxybis (1-chloropropane)	< 275	ug/Kg		10/4/2023 19:39
2,3,4,6-Tetrachlorophenol	< 275	ug/Kg		10/4/2023 19:39
2,4,5-Trichlorophenol	< 275	ug/Kg		10/4/2023 19:39
2,4,6-Trichlorophenol	< 275	ug/Kg		10/4/2023 19:39
2,4-Dichlorophenol	< 275	ug/Kg		10/4/2023 19:39
2,4-Dimethylphenol	< 275	ug/Kg		10/4/2023 19:39
2,4-Dinitrophenol	< 1100	ug/Kg		10/4/2023 19:39
2,4-Dinitrotoluene	< 275	ug/Kg		10/4/2023 19:39
2,6-Dinitrotoluene	< 275	ug/Kg		10/4/2023 19:39
2-Chloronaphthalene	< 275	ug/Kg		10/4/2023 19:39
2-Chlorophenol	< 275	ug/Kg		10/4/2023 19:39
2-Methylnapthalene	< 275	ug/Kg		10/4/2023 19:39
2-Methylphenol	< 275	ug/Kg		10/4/2023 19:39
2-Nitroaniline	< 275	ug/Kg		10/4/2023 19:39
2-Nitrophenol	< 275	ug/Kg		10/4/2023 19:39
3&4-Methylphenol	< 275	ug/Kg		10/4/2023 19:39
3,3'-Dichlorobenzidine	< 275	ug/Kg		10/4/2023 19:39

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Sample Identifier:	SS-03 (5.0-6.0 ft)		
Lab Sample ID:	234531-03	**Date Sampled:** 9/25/2023	16:20
Matrix:	Soil	**Date Received** 9/29/2023	

3-Nitroaniline	< 275	ug/Kg	10/4/2023	19:39
4,6-Dinitro-2-methylphenol	< 367	ug/Kg	10/4/2023	19:39
4-Bromophenyl phenyl ether	< 275	ug/Kg	10/4/2023	19:39
4-Chloro-3-methylphenol	< 275	ug/Kg	10/4/2023	19:39
4-Chloroaniline	< 275	ug/Kg	10/4/2023	19:39
4-Chlorophenyl phenyl ether	< 275	ug/Kg	10/4/2023	19:39
4-Nitroaniline	< 275	ug/Kg	10/4/2023	19:39
4-Nitrophenol	< 275	ug/Kg	10/4/2023	19:39
Acenaphthene	< 275	ug/Kg	10/4/2023	19:39
Acenaphthylene	< 275	ug/Kg	10/4/2023	19:39
Acetophenone	< 275	ug/Kg	10/4/2023	19:39
Anthracene	< 275	ug/Kg	10/4/2023	19:39
Atrazine	< 275	ug/Kg	10/4/2023	19:39
Benzaldehyde	< 275	ug/Kg	10/4/2023	19:39
Benzo (a) anthracene	< 275	ug/Kg	10/4/2023	19:39
Benzo (a) pyrene	< 275	ug/Kg	10/4/2023	19:39
Benzo (b) fluoranthene	< 275	ug/Kg	10/4/2023	19:39
Benzo (g,h,i) perylene	< 275	ug/Kg	10/4/2023	19:39
Benzo (k) fluoranthene	< 275	ug/Kg	10/4/2023	19:39
Bis (2-chloroethoxy) methane	< 275	ug/Kg	10/4/2023	19:39
Bis (2-chloroethyl) ether	< 275	ug/Kg	10/4/2023	19:39
Bis (2-ethylhexyl) phthalate	< 275	ug/Kg	10/4/2023	19:39
Butylbenzylphthalate	< 275	ug/Kg	10/4/2023	19:39
Caprolactam	< 275	ug/Kg	10/4/2023	19:39
Carbazole	< 275	ug/Kg	10/4/2023	19:39
Chrysene	< 275	ug/Kg	10/4/2023	19:39
Dibenz (a,h) anthracene	< 275	ug/Kg	10/4/2023	19:39
Dibenzofuran	< 275	ug/Kg	10/4/2023	19:39
Diethyl phthalate	< 275	ug/Kg	10/4/2023	19:39
Dimethyl phthalate	< 275	ug/Kg	10/4/2023	19:39

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-03 (5.0-6.0 ft)		
Lab Sample ID:	234531-03	**Date Sampled:** 9/25/2023	16:20
Matrix:	Soil	**Date Received** 9/29/2023	

Di-n-butyl phthalate	< 275	ug/Kg	10/4/2023	19:39
Di-n-octylphthalate	< 275	ug/Kg	10/4/2023	19:39
Fluoranthene	< 275	ug/Kg	10/4/2023	19:39
Fluorene	< 275	ug/Kg	10/4/2023	19:39
Hexachlorobenzene	< 275	ug/Kg	10/4/2023	19:39
Hexachlorobutadiene	< 275	ug/Kg	10/4/2023	19:39
Hexachlorocyclopentadiene	< 1100	ug/Kg	10/4/2023	19:39
Hexachloroethane	< 275	ug/Kg	10/4/2023	19:39
Indeno (1,2,3-cd) pyrene	< 275	ug/Kg	10/4/2023	19:39
Isophorone	< 275	ug/Kg	10/4/2023	19:39
Naphthalene	< 275	ug/Kg	10/4/2023	19:39
Nitrobenzene	< 275	ug/Kg	10/4/2023	19:39
N-Nitroso-di-n-propylamine	< 275	ug/Kg	10/4/2023	19:39
N-Nitrosodiphenylamine	< 275	ug/Kg	10/4/2023	19:39
Pentachlorophenol	< 549	ug/Kg	10/4/2023	19:39
Phenanthrene	< 275	ug/Kg	10/4/2023	19:39
Phenol	< 275	ug/Kg	10/4/2023	19:39
Pyrene	< 275	ug/Kg	10/4/2023	19:39

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**62.3**	35.1 - 95.9		10/4/2023	19:39
2-Fluorobiphenyl	**61.0**	10 - 156		10/4/2023	19:39
2-Fluorophenol	**57.3**	36 - 81.3		10/4/2023	19:39
Nitrobenzene-d5	**56.7**	31.5 - 83.8		10/4/2023	19:39
Phenol-d5	**60.2**	37.7 - 84		10/4/2023	19:39
Terphenyl-d14	**76.0**	40.5 - 99.5		10/4/2023	19:39

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/3/2023
Data File: B67282.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-03 (5.0-6.0 ft)		
Lab Sample ID:	234531-03	**Date Sampled:** 9/25/2023	16:20
Matrix:	Soil	**Date Received** 9/29/2023	

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.47	ug/Kg		10/5/2023 16:34
1,1,2,2-Tetrachloroethane	< 7.47	ug/Kg		10/5/2023 16:34
1,1,2-Trichloroethane	< 7.47	ug/Kg		10/5/2023 16:34
1,1-Dichloroethane	< 7.47	ug/Kg		10/5/2023 16:34
1,1-Dichloroethene	< 7.47	ug/Kg		10/5/2023 16:34
1,2,3-Trichlorobenzene	< 18.7	ug/Kg		10/5/2023 16:34
1,2,4-Trichlorobenzene	< 18.7	ug/Kg		10/5/2023 16:34
1,2,4-Trimethylbenzene	< 7.47	ug/Kg		10/5/2023 16:34
1,2-Dibromo-3-Chloropropane	< 37.4	ug/Kg		10/5/2023 16:34
1,2-Dibromoethane	< 7.47	ug/Kg		10/5/2023 16:34
1,2-Dichlorobenzene	< 7.47	ug/Kg		10/5/2023 16:34
1,2-Dichloroethane	< 7.47	ug/Kg		10/5/2023 16:34
1,2-Dichloropropane	< 7.47	ug/Kg		10/5/2023 16:34
1,3,5-Trimethylbenzene	< 7.47	ug/Kg		10/5/2023 16:34
1,3-Dichlorobenzene	< 7.47	ug/Kg		10/5/2023 16:34
1,4-Dichlorobenzene	< 7.47	ug/Kg		10/5/2023 16:34
1,4-Dioxane	< 37.4	ug/Kg		10/5/2023 16:34
2-Butanone	< 37.4	ug/Kg		10/5/2023 16:34
2-Hexanone	< 18.7	ug/Kg		10/5/2023 16:34
4-Methyl-2-pentanone	< 18.7	ug/Kg		10/5/2023 16:34
Acetone	< 37.4	ug/Kg		10/5/2023 16:34
Benzene	< 7.47	ug/Kg		10/5/2023 16:34
Bromochloromethane	< 18.7	ug/Kg		10/5/2023 16:34
Bromodichloromethane	< 7.47	ug/Kg		10/5/2023 16:34
Bromoform	< 18.7	ug/Kg		10/5/2023 16:34
Bromomethane	< 7.47	ug/Kg		10/5/2023 16:34
Carbon disulfide	< 7.47	ug/Kg		10/5/2023 16:34
Carbon Tetrachloride	< 7.47	ug/Kg		10/5/2023 16:34

Sample Identifier: SS-03 (5.0-6.0 ft)
Lab Sample ID: 234531-03 **Date Sampled:** 9/25/2023 16:20
Matrix: Soil **Date Received** 9/29/2023

Chlorobenzene	< 7.47	ug/Kg	10/5/2023	16:34
Chloroethane	< 7.47	ug/Kg	10/5/2023	16:34
Chloroform	< 7.47	ug/Kg	10/5/2023	16:34
Chloromethane	< 7.47	ug/Kg	10/5/2023	16:34
cis-1,2-Dichloroethene	< 7.47	ug/Kg	10/5/2023	16:34
cis-1,3-Dichloropropene	< 7.47	ug/Kg	10/5/2023	16:34
Cyclohexane	< 37.4	ug/Kg	10/5/2023	16:34
Dibromochloromethane	< 7.47	ug/Kg	10/5/2023	16:34
Dichlorodifluoromethane	< 7.47	ug/Kg	10/5/2023	16:34
Ethylbenzene	< 7.47	ug/Kg	10/5/2023	16:34
Freon 113	< 7.47	ug/Kg	10/5/2023	16:34
Isopropylbenzene	< 7.47	ug/Kg	10/5/2023	16:34
m,p-Xylene	< 7.47	ug/Kg	10/5/2023	16:34
Methyl acetate	< 7.47	ug/Kg	10/5/2023	16:34
Methyl tert-butyl Ether	< 7.47	ug/Kg	10/5/2023	16:34
Methylcyclohexane	< 7.47	ug/Kg	10/5/2023	16:34
Methylene chloride	< 18.7	ug/Kg	10/5/2023	16:34
Naphthalene	< 18.7	ug/Kg	10/5/2023	16:34
n-Butylbenzene	< 7.47	ug/Kg	10/5/2023	16:34
n-Propylbenzene	< 7.47	ug/Kg	10/5/2023	16:34
o-Xylene	< 7.47	ug/Kg	10/5/2023	16:34
p-Isopropyltoluene	< 7.47	ug/Kg	10/5/2023	16:34
sec-Butylbenzene	< 7.47	ug/Kg	10/5/2023	16:34
Styrene	< 18.7	ug/Kg	10/5/2023	16:34
tert-Butylbenzene	< 7.47	ug/Kg	10/5/2023	16:34
Tetrachloroethene	< 7.47	ug/Kg	10/5/2023	16:34
Toluene	< 7.47	ug/Kg	10/5/2023	16:34
trans-1,2-Dichloroethene	< 7.47	ug/Kg	10/5/2023	16:34
trans-1,3-Dichloropropene	< 7.47	ug/Kg	10/5/2023	16:34
Trichloroethene	< 7.47	ug/Kg	10/5/2023	16:34

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-03 (5.0-6.0 ft)		
Lab Sample ID:	234531-03	**Date Sampled:** 9/25/2023	16:20
Matrix:	Soil	**Date Received** 9/29/2023	

Trichlorofluoromethane	< 7.47	ug/Kg			10/5/2023	16:34
Vinyl chloride	< 7.47	ug/Kg			10/5/2023	16:34

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	72.3 - 128		10/5/2023	16:34
4-Bromofluorobenzene	**90.2**	70 - 123		10/5/2023	16:34
Pentafluorobenzene	**103**	80.7 - 124		10/5/2023	16:34
Toluene-D8	**97.2**	82.1 - 121		10/5/2023	16:34

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z20046.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-04 (4.5-5.5 ft)		
Lab Sample ID:	234531-04	**Date Sampled:**	9/26/2023 7:45
Matrix:	Soil	**Date Received**	9/29/2023

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00778	mg/Kg		10/4/2023 12:04

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**0.921**	mg/Kg		10/4/2023 10:59
Barium	**16.6**	mg/Kg		10/4/2023 10:59
Cadmium	< 0.263	mg/Kg		10/4/2023 10:59
Chromium	**1.89**	mg/Kg		10/4/2023 10:59
Lead	**2.67**	mg/Kg		10/4/2023 10:59
Selenium	< 1.05	mg/Kg		10/4/2023 10:59
Silver	< 0.526	mg/Kg		10/4/2023 10:59

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 10/3/2023
Data File: 231004A

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 307	ug/Kg		10/4/2023 20:07
1,2,4,5-Tetrachlorobenzene	< 307	ug/Kg		10/4/2023 20:07
1,2,4-Trichlorobenzene	< 307	ug/Kg		10/4/2023 20:07
1,2-Dichlorobenzene	< 307	ug/Kg		10/4/2023 20:07
1,3-Dichlorobenzene	< 307	ug/Kg		10/4/2023 20:07
1,4-Dichlorobenzene	< 307	ug/Kg		10/4/2023 20:07
2,2-Oxybis (1-chloropropane)	< 307	ug/Kg		10/4/2023 20:07
2,3,4,6-Tetrachlorophenol	< 307	ug/Kg		10/4/2023 20:07
2,4,5-Trichlorophenol	< 307	ug/Kg		10/4/2023 20:07

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-04 (4.5-5.5 ft)
Lab Sample ID: 234531-04 **Date Sampled:** 9/26/2023 7:45
Matrix: Soil **Date Received** 9/29/2023

2,4,6-Trichlorophenol	< 307	ug/Kg	10/4/2023	20:07
2,4-Dichlorophenol	< 307	ug/Kg	10/4/2023	20:07
2,4-Dimethylphenol	< 307	ug/Kg	10/4/2023	20:07
2,4-Dinitrophenol	< 1230	ug/Kg	10/4/2023	20:07
2,4-Dinitrotoluene	< 307	ug/Kg	10/4/2023	20:07
2,6-Dinitrotoluene	< 307	ug/Kg	10/4/2023	20:07
2-Chloronaphthalene	< 307	ug/Kg	10/4/2023	20:07
2-Chlorophenol	< 307	ug/Kg	10/4/2023	20:07
2-Methylnapthalene	< 307	ug/Kg	10/4/2023	20:07
2-Methylphenol	< 307	ug/Kg	10/4/2023	20:07
2-Nitroaniline	< 307	ug/Kg	10/4/2023	20:07
2-Nitrophenol	< 307	ug/Kg	10/4/2023	20:07
3&4-Methylphenol	< 307	ug/Kg	10/4/2023	20:07
3,3'-Dichlorobenzidine	< 307	ug/Kg	10/4/2023	20:07
3-Nitroaniline	< 307	ug/Kg	10/4/2023	20:07
4,6-Dinitro-2-methylphenol	< 410	ug/Kg	10/4/2023	20:07
4-Bromophenyl phenyl ether	< 307	ug/Kg	10/4/2023	20:07
4-Chloro-3-methylphenol	< 307	ug/Kg	10/4/2023	20:07
4-Chloroaniline	< 307	ug/Kg	10/4/2023	20:07
4-Chlorophenyl phenyl ether	< 307	ug/Kg	10/4/2023	20:07
4-Nitroaniline	< 307	ug/Kg	10/4/2023	20:07
4-Nitrophenol	< 307	ug/Kg	10/4/2023	20:07
Acenaphthene	< 307	ug/Kg	10/4/2023	20:07
Acenaphthylene	< 307	ug/Kg	10/4/2023	20:07
Acetophenone	< 307	ug/Kg	10/4/2023	20:07
Anthracene	< 307	ug/Kg	10/4/2023	20:07
Atrazine	< 307	ug/Kg	10/4/2023	20:07
Benzaldehyde	< 307	ug/Kg	10/4/2023	20:07
Benzo (a) anthracene	< 307	ug/Kg	10/4/2023	20:07
Benzo (a) pyrene	< 307	ug/Kg	10/4/2023	20:07

Sample Identifier:	SS-04 (4.5-5.5 ft)		
Lab Sample ID:	234531-04	**Date Sampled:** 9/26/2023	7:45
Matrix:	Soil	**Date Received** 9/29/2023	

Benzo (b) fluoranthene	< 307	ug/Kg	10/4/2023	20:07
Benzo (g,h,i) perylene	< 307	ug/Kg	10/4/2023	20:07
Benzo (k) fluoranthene	< 307	ug/Kg	10/4/2023	20:07
Bis (2-chloroethoxy) methane	< 307	ug/Kg	10/4/2023	20:07
Bis (2-chloroethyl) ether	< 307	ug/Kg	10/4/2023	20:07
Bis (2-ethylhexyl) phthalate	< 307	ug/Kg	10/4/2023	20:07
Butylbenzylphthalate	< 307	ug/Kg	10/4/2023	20:07
Caprolactam	< 307	ug/Kg	10/4/2023	20:07
Carbazole	< 307	ug/Kg	10/4/2023	20:07
Chrysene	< 307	ug/Kg	10/4/2023	20:07
Dibenz (a,h) anthracene	< 307	ug/Kg	10/4/2023	20:07
Dibenzofuran	< 307	ug/Kg	10/4/2023	20:07
Diethyl phthalate	< 307	ug/Kg	10/4/2023	20:07
Dimethyl phthalate	< 307	ug/Kg	10/4/2023	20:07
Di-n-butyl phthalate	< 307	ug/Kg	10/4/2023	20:07
Di-n-octylphthalate	< 307	ug/Kg	10/4/2023	20:07
Fluoranthene	< 307	ug/Kg	10/4/2023	20:07
Fluorene	< 307	ug/Kg	10/4/2023	20:07
Hexachlorobenzene	< 307	ug/Kg	10/4/2023	20:07
Hexachlorobutadiene	< 307	ug/Kg	10/4/2023	20:07
Hexachlorocyclopentadiene	< 1230	ug/Kg	10/4/2023	20:07
Hexachloroethane	< 307	ug/Kg	10/4/2023	20:07
Indeno (1,2,3-cd) pyrene	< 307	ug/Kg	10/4/2023	20:07
Isophorone	< 307	ug/Kg	10/4/2023	20:07
Naphthalene	< 307	ug/Kg	10/4/2023	20:07
Nitrobenzene	< 307	ug/Kg	10/4/2023	20:07
N-Nitroso-di-n-propylamine	< 307	ug/Kg	10/4/2023	20:07
N-Nitrosodiphenylamine	< 307	ug/Kg	10/4/2023	20:07
Pentachlorophenol	< 613	ug/Kg	10/4/2023	20:07
Phenanthrene	< 307	ug/Kg	10/4/2023	20:07

Sample Identifier: SS-04 (4.5-5.5 ft)
Lab Sample ID: 234531-04 **Date Sampled:** 9/26/2023 7:45
Matrix: Soil **Date Received** 9/29/2023

Phenol	< 307	ug/Kg		10/4/2023 20:07
Pyrene	< 307	ug/Kg		10/4/2023 20:07

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**61.2**	35.1 - 95.9		10/4/2023 20:07
2-Fluorobiphenyl	**59.1**	10 - 156		10/4/2023 20:07
2-Fluorophenol	**56.2**	36 - 81.3		10/4/2023 20:07
Nitrobenzene-d5	**50.1**	31.5 - 83.8		10/4/2023 20:07
Phenol-d5	**59.2**	37.7 - 84		10/4/2023 20:07
Terphenyl-d14	**72.7**	40.5 - 99.5		10/4/2023 20:07

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/3/2023
Data File: B67283.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.00	ug/Kg		10/5/2023 16:53
1,1,2,2-Tetrachloroethane	< 9.00	ug/Kg		10/5/2023 16:53
1,1,2-Trichloroethane	< 9.00	ug/Kg		10/5/2023 16:53
1,1-Dichloroethane	< 9.00	ug/Kg		10/5/2023 16:53
1,1-Dichloroethene	< 9.00	ug/Kg		10/5/2023 16:53
1,2,3-Trichlorobenzene	< 22.5	ug/Kg		10/5/2023 16:53
1,2,4-Trichlorobenzene	< 22.5	ug/Kg		10/5/2023 16:53
1,2,4-Trimethylbenzene	< 9.00	ug/Kg		10/5/2023 16:53
1,2-Dibromo-3-Chloropropane	< 45.0	ug/Kg		10/5/2023 16:53
1,2-Dibromoethane	< 9.00	ug/Kg		10/5/2023 16:53
1,2-Dichlorobenzene	< 9.00	ug/Kg		10/5/2023 16:53
1,2-Dichloroethane	< 9.00	ug/Kg		10/5/2023 16:53
1,2-Dichloropropane	< 9.00	ug/Kg		10/5/2023 16:53
1,3,5-Trimethylbenzene	< 9.00	ug/Kg		10/5/2023 16:53
1,3-Dichlorobenzene	< 9.00	ug/Kg		10/5/2023 16:53
1,4-Dichlorobenzene	< 9.00	ug/Kg		10/5/2023 16:53

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-04 (4.5-5.5 ft)
Lab Sample ID: 234531-04 **Date Sampled:** 9/26/2023 7:45
Matrix: Soil **Date Received** 9/29/2023

1,4-Dioxane	< 45.0	ug/Kg	10/5/2023	16:53
2-Butanone	< 45.0	ug/Kg	10/5/2023	16:53
2-Hexanone	< 22.5	ug/Kg	10/5/2023	16:53
4-Methyl-2-pentanone	< 22.5	ug/Kg	10/5/2023	16:53
Acetone	< 45.0	ug/Kg	10/5/2023	16:53
Benzene	< 9.00	ug/Kg	10/5/2023	16:53
Bromochloromethane	< 22.5	ug/Kg	10/5/2023	16:53
Bromodichloromethane	< 9.00	ug/Kg	10/5/2023	16:53
Bromoform	< 22.5	ug/Kg	10/5/2023	16:53
Bromomethane	< 9.00	ug/Kg	10/5/2023	16:53
Carbon disulfide	< 9.00	ug/Kg	10/5/2023	16:53
Carbon Tetrachloride	< 9.00	ug/Kg	10/5/2023	16:53
Chlorobenzene	< 9.00	ug/Kg	10/5/2023	16:53
Chloroethane	< 9.00	ug/Kg	10/5/2023	16:53
Chloroform	< 9.00	ug/Kg	10/5/2023	16:53
Chloromethane	< 9.00	ug/Kg	10/5/2023	16:53
cis-1,2-Dichloroethene	< 9.00	ug/Kg	10/5/2023	16:53
cis-1,3-Dichloropropene	< 9.00	ug/Kg	10/5/2023	16:53
Cyclohexane	< 45.0	ug/Kg	10/5/2023	16:53
Dibromochloromethane	< 9.00	ug/Kg	10/5/2023	16:53
Dichlorodifluoromethane	< 9.00	ug/Kg	10/5/2023	16:53
Ethylbenzene	< 9.00	ug/Kg	10/5/2023	16:53
Freon 113	< 9.00	ug/Kg	10/5/2023	16:53
Isopropylbenzene	< 9.00	ug/Kg	10/5/2023	16:53
m,p-Xylene	< 9.00	ug/Kg	10/5/2023	16:53
Methyl acetate	< 9.00	ug/Kg	10/5/2023	16:53
Methyl tert-butyl Ether	< 9.00	ug/Kg	10/5/2023	16:53
Methylcyclohexane	< 9.00	ug/Kg	10/5/2023	16:53
Methylene chloride	< 22.5	ug/Kg	10/5/2023	16:53
Naphthalene	< 22.5	ug/Kg	10/5/2023	16:53

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-04 (4.5-5.5 ft)		
Lab Sample ID:	234531-04	**Date Sampled:** 9/26/2023	7:45
Matrix:	Soil	**Date Received** 9/29/2023	

n-Butylbenzene	< 9.00	ug/Kg	10/5/2023	16:53
n-Propylbenzene	< 9.00	ug/Kg	10/5/2023	16:53
o-Xylene	< 9.00	ug/Kg	10/5/2023	16:53
p-Isopropyltoluene	< 9.00	ug/Kg	10/5/2023	16:53
sec-Butylbenzene	< 9.00	ug/Kg	10/5/2023	16:53
Styrene	< 22.5	ug/Kg	10/5/2023	16:53
tert-Butylbenzene	< 9.00	ug/Kg	10/5/2023	16:53
Tetrachloroethene	< 9.00	ug/Kg	10/5/2023	16:53
Toluene	< 9.00	ug/Kg	10/5/2023	16:53
trans-1,2-Dichloroethene	< 9.00	ug/Kg	10/5/2023	16:53
trans-1,3-Dichloropropene	< 9.00	ug/Kg	10/5/2023	16:53
Trichloroethene	< 9.00	ug/Kg	10/5/2023	16:53
Trichlorofluoromethane	< 9.00	ug/Kg	10/5/2023	16:53
Vinyl chloride	< 9.00	ug/Kg	10/5/2023	16:53

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**	
1,2-Dichloroethane-d4	**111**	72.3 - 128		10/5/2023	16:53
4-Bromofluorobenzene	**91.2**	70 - 123		10/5/2023	16:53
Pentafluorobenzene	**103**	80.7 - 124		10/5/2023	16:53
Toluene-D8	**101**	82.1 - 121		10/5/2023	16:53

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z20047.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-05 (6.0-7.0 ft)		
Lab Sample ID:	234531-05	**Date Sampled:** 9/26/2023	15:10
Matrix:	Soil	**Date Received** 9/29/2023	

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00780	mg/Kg		10/4/2023 12:06

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**1.01**	mg/Kg		10/4/2023 11:02
Barium	**14.5**	mg/Kg		10/4/2023 11:02
Cadmium	< 0.247	mg/Kg		10/4/2023 11:02
Chromium	**4.09**	mg/Kg		10/4/2023 11:02
Lead	**2.34**	mg/Kg		10/4/2023 11:02
Selenium	< 0.989	mg/Kg		10/4/2023 11:02
Silver	< 0.495	mg/Kg		10/4/2023 11:02

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 10/3/2023
Data File: 231004A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1221	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1232	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1242	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1248	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1254	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1260	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1262	< 0.147	mg/Kg		10/4/2023 19:32
PCB-1268	< 0.147	mg/Kg		10/4/2023 19:32

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-05 (6.0-7.0 ft)
Lab Sample ID: 234531-05 **Date Sampled:** 9/26/2023 15:10
Matrix: Soil **Date Received** 9/29/2023

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**65.5**	10 - 110		10/4/2023 19:32

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 10/4/2023

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 269	ug/Kg		10/4/2023 21:35
1,2,4,5-Tetrachlorobenzene	< 269	ug/Kg		10/4/2023 21:35
1,2,4-Trichlorobenzene	< 269	ug/Kg		10/4/2023 21:35
1,2-Dichlorobenzene	< 269	ug/Kg		10/4/2023 21:35
1,3-Dichlorobenzene	< 269	ug/Kg		10/4/2023 21:35
1,4-Dichlorobenzene	< 269	ug/Kg		10/4/2023 21:35
2,2-Oxybis (1-chloropropane)	< 269	ug/Kg		10/4/2023 21:35
2,3,4,6-Tetrachlorophenol	< 269	ug/Kg		10/4/2023 21:35
2,4,5-Trichlorophenol	< 269	ug/Kg		10/4/2023 21:35
2,4,6-Trichlorophenol	< 269	ug/Kg		10/4/2023 21:35
2,4-Dichlorophenol	< 269	ug/Kg		10/4/2023 21:35
2,4-Dimethylphenol	< 269	ug/Kg		10/4/2023 21:35
2,4-Dinitrophenol	< 1070	ug/Kg		10/4/2023 21:35
2,4-Dinitrotoluene	< 269	ug/Kg		10/4/2023 21:35
2,6-Dinitrotoluene	< 269	ug/Kg		10/4/2023 21:35
2-Chloronaphthalene	< 269	ug/Kg		10/4/2023 21:35
2-Chlorophenol	< 269	ug/Kg		10/4/2023 21:35
2-Methylnapthalene	< 269	ug/Kg		10/4/2023 21:35
2-Methylphenol	< 269	ug/Kg		10/4/2023 21:35
2-Nitroaniline	< 269	ug/Kg		10/4/2023 21:35
2-Nitrophenol	< 269	ug/Kg		10/4/2023 21:35
3&4-Methylphenol	< 269	ug/Kg		10/4/2023 21:35
3,3'-Dichlorobenzidine	< 269	ug/Kg		10/4/2023 21:35

Sample Identifier:	SS-05 (6.0-7.0 ft)		
Lab Sample ID:	234531-05	**Date Sampled:** 9/26/2023	15:10
Matrix:	Soil	**Date Received** 9/29/2023	

3-Nitroaniline	< 269	ug/Kg	10/4/2023 21:35
4,6-Dinitro-2-methylphenol	< 359	ug/Kg	10/4/2023 21:35
4-Bromophenyl phenyl ether	< 269	ug/Kg	10/4/2023 21:35
4-Chloro-3-methylphenol	< 269	ug/Kg	10/4/2023 21:35
4-Chloroaniline	< 269	ug/Kg	10/4/2023 21:35
4-Chlorophenyl phenyl ether	< 269	ug/Kg	10/4/2023 21:35
4-Nitroaniline	< 269	ug/Kg	10/4/2023 21:35
4-Nitrophenol	< 269	ug/Kg	10/4/2023 21:35
Acenaphthene	< 269	ug/Kg	10/4/2023 21:35
Acenaphthylene	< 269	ug/Kg	10/4/2023 21:35
Acetophenone	< 269	ug/Kg	10/4/2023 21:35
Anthracene	< 269	ug/Kg	10/4/2023 21:35
Atrazine	< 269	ug/Kg	10/4/2023 21:35
Benzaldehyde	< 269	ug/Kg	10/4/2023 21:35
Benzo (a) anthracene	< 269	ug/Kg	10/4/2023 21:35
Benzo (a) pyrene	< 269	ug/Kg	10/4/2023 21:35
Benzo (b) fluoranthene	< 269	ug/Kg	10/4/2023 21:35
Benzo (g,h,i) perylene	< 269	ug/Kg	10/4/2023 21:35
Benzo (k) fluoranthene	< 269	ug/Kg	10/4/2023 21:35
Bis (2-chloroethoxy) methane	< 269	ug/Kg	10/4/2023 21:35
Bis (2-chloroethyl) ether	< 269	ug/Kg	10/4/2023 21:35
Bis (2-ethylhexyl) phthalate	< 269	ug/Kg	10/4/2023 21:35
Butylbenzylphthalate	< 269	ug/Kg	10/4/2023 21:35
Caprolactam	< 269	ug/Kg	10/4/2023 21:35
Carbazole	< 269	ug/Kg	10/4/2023 21:35
Chrysene	< 269	ug/Kg	10/4/2023 21:35
Dibenz (a,h) anthracene	< 269	ug/Kg	10/4/2023 21:35
Dibenzofuran	< 269	ug/Kg	10/4/2023 21:35
Diethyl phthalate	< 269	ug/Kg	10/4/2023 21:35
Dimethyl phthalate	< 269	ug/Kg	10/4/2023 21:35

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-05 (6.0-7.0 ft)
Lab Sample ID: 234531-05 **Date Sampled:** 9/26/2023 15:10
Matrix: Soil **Date Received** 9/29/2023

Di-n-butyl phthalate	< 269	ug/Kg		10/4/2023 21:35
Di-n-octylphthalate	< 269	ug/Kg		10/4/2023 21:35
Fluoranthene	< 269	ug/Kg		10/4/2023 21:35
Fluorene	< 269	ug/Kg		10/4/2023 21:35
Hexachlorobenzene	< 269	ug/Kg		10/4/2023 21:35
Hexachlorobutadiene	< 269	ug/Kg		10/4/2023 21:35
Hexachlorocyclopentadiene	< 1070	ug/Kg		10/4/2023 21:35
Hexachloroethane	< 269	ug/Kg		10/4/2023 21:35
Indeno (1,2,3-cd) pyrene	< 269	ug/Kg		10/4/2023 21:35
Isophorone	< 269	ug/Kg		10/4/2023 21:35
Naphthalene	< 269	ug/Kg		10/4/2023 21:35
Nitrobenzene	< 269	ug/Kg		10/4/2023 21:35
N-Nitroso-di-n-propylamine	< 269	ug/Kg		10/4/2023 21:35
N-Nitrosodiphenylamine	< 269	ug/Kg		10/4/2023 21:35
Pentachlorophenol	< 537	ug/Kg		10/4/2023 21:35
Phenanthrene	< 269	ug/Kg		10/4/2023 21:35
Phenol	< 269	ug/Kg		10/4/2023 21:35
Pyrene	< 269	ug/Kg		10/4/2023 21:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**53.1**	35.1 - 95.9		10/4/2023 21:35
2-Fluorobiphenyl	**54.2**	10 - 156		10/4/2023 21:35
2-Fluorophenol	**50.2**	36 - 81.3		10/4/2023 21:35
Nitrobenzene-d5	**48.0**	31.5 - 83.8		10/4/2023 21:35
Phenol-d5	**52.0**	37.7 - 84		10/4/2023 21:35
Terphenyl-d14	**63.6**	40.5 - 99.5		10/4/2023 21:35

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/3/2023
Data File: B67286.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-05 (6.0-7.0 ft)		
Lab Sample ID:	234531-05	**Date Sampled:**	9/26/2023 15:10
Matrix:	Soil	**Date Received**	9/29/2023

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.32	ug/Kg		10/5/2023 17:12
1,1,2,2-Tetrachloroethane	< 5.32	ug/Kg		10/5/2023 17:12
1,1,2-Trichloroethane	< 5.32	ug/Kg		10/5/2023 17:12
1,1-Dichloroethane	< 5.32	ug/Kg		10/5/2023 17:12
1,1-Dichloroethene	< 5.32	ug/Kg		10/5/2023 17:12
1,2,3-Trichlorobenzene	< 13.3	ug/Kg		10/5/2023 17:12
1,2,4-Trichlorobenzene	< 13.3	ug/Kg		10/5/2023 17:12
1,2,4-Trimethylbenzene	< 5.32	ug/Kg		10/5/2023 17:12
1,2-Dibromo-3-Chloropropane	< 26.6	ug/Kg		10/5/2023 17:12
1,2-Dibromoethane	< 5.32	ug/Kg		10/5/2023 17:12
1,2-Dichlorobenzene	< 5.32	ug/Kg		10/5/2023 17:12
1,2-Dichloroethane	< 5.32	ug/Kg		10/5/2023 17:12
1,2-Dichloropropane	< 5.32	ug/Kg		10/5/2023 17:12
1,3,5-Trimethylbenzene	< 5.32	ug/Kg		10/5/2023 17:12
1,3-Dichlorobenzene	< 5.32	ug/Kg		10/5/2023 17:12
1,4-Dichlorobenzene	< 5.32	ug/Kg		10/5/2023 17:12
1,4-Dioxane	< 26.6	ug/Kg		10/5/2023 17:12
2-Butanone	< 26.6	ug/Kg		10/5/2023 17:12
2-Hexanone	< 13.3	ug/Kg		10/5/2023 17:12
4-Methyl-2-pentanone	< 13.3	ug/Kg		10/5/2023 17:12
Acetone	< 26.6	ug/Kg		10/5/2023 17:12
Benzene	< 5.32	ug/Kg		10/5/2023 17:12
Bromochloromethane	< 13.3	ug/Kg		10/5/2023 17:12
Bromodichloromethane	< 5.32	ug/Kg		10/5/2023 17:12
Bromoform	< 13.3	ug/Kg		10/5/2023 17:12
Bromomethane	< 5.32	ug/Kg		10/5/2023 17:12
Carbon disulfide	< 5.32	ug/Kg		10/5/2023 17:12
Carbon Tetrachloride	< 5.32	ug/Kg		10/5/2023 17:12

Sample Identifier:	SS-05 (6.0-7.0 ft)		
Lab Sample ID:	234531-05	**Date Sampled:** 9/26/2023	15:10
Matrix:	Soil	**Date Received** 9/29/2023	

Chlorobenzene	< 5.32	ug/Kg	10/5/2023	17:12
Chloroethane	< 5.32	ug/Kg	10/5/2023	17:12
Chloroform	< 5.32	ug/Kg	10/5/2023	17:12
Chloromethane	< 5.32	ug/Kg	10/5/2023	17:12
cis-1,2-Dichloroethene	< 5.32	ug/Kg	10/5/2023	17:12
cis-1,3-Dichloropropene	< 5.32	ug/Kg	10/5/2023	17:12
Cyclohexane	< 26.6	ug/Kg	10/5/2023	17:12
Dibromochloromethane	< 5.32	ug/Kg	10/5/2023	17:12
Dichlorodifluoromethane	< 5.32	ug/Kg	10/5/2023	17:12
Ethylbenzene	< 5.32	ug/Kg	10/5/2023	17:12
Freon 113	< 5.32	ug/Kg	10/5/2023	17:12
Isopropylbenzene	< 5.32	ug/Kg	10/5/2023	17:12
m,p-Xylene	< 5.32	ug/Kg	10/5/2023	17:12
Methyl acetate	< 5.32	ug/Kg	10/5/2023	17:12
Methyl tert-butyl Ether	< 5.32	ug/Kg	10/5/2023	17:12
Methylcyclohexane	< 5.32	ug/Kg	10/5/2023	17:12
Methylene chloride	< 13.3	ug/Kg	10/5/2023	17:12
Naphthalene	< 13.3	ug/Kg	10/5/2023	17:12
n-Butylbenzene	< 5.32	ug/Kg	10/5/2023	17:12
n-Propylbenzene	< 5.32	ug/Kg	10/5/2023	17:12
o-Xylene	< 5.32	ug/Kg	10/5/2023	17:12
p-Isopropyltoluene	< 5.32	ug/Kg	10/5/2023	17:12
sec-Butylbenzene	< 5.32	ug/Kg	10/5/2023	17:12
Styrene	< 13.3	ug/Kg	10/5/2023	17:12
tert-Butylbenzene	< 5.32	ug/Kg	10/5/2023	17:12
Tetrachloroethene	< 5.32	ug/Kg	10/5/2023	17:12
Toluene	< 5.32	ug/Kg	10/5/2023	17:12
trans-1,2-Dichloroethene	< 5.32	ug/Kg	10/5/2023	17:12
trans-1,3-Dichloropropene	< 5.32	ug/Kg	10/5/2023	17:12
Trichloroethene	< 5.32	ug/Kg	10/5/2023	17:12

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-05 (6.0-7.0 ft)		
Lab Sample ID:	234531-05	**Date Sampled:** 9/26/2023	15:10
Matrix:	Soil	**Date Received** 9/29/2023	

Trichlorofluoromethane	< 5.32	ug/Kg			10/5/2023	17:12
Vinyl chloride	< 5.32	ug/Kg			10/5/2023	17:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	72.3 - 128		10/5/2023	17:12
4-Bromofluorobenzene	**89.0**	70 - 123		10/5/2023	17:12
Pentafluorobenzene	**103**	80.7 - 124		10/5/2023	17:12
Toluene-D8	**98.9**	82.1 - 121		10/5/2023	17:12

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z20048.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-06 (5.0-6.0 ft)		
Lab Sample ID:	234531-06	**Date Sampled:**	9/27/2023 8:00
Matrix:	Soil	**Date Received**	9/29/2023

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00863	mg/Kg		10/4/2023 12:12

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.521	mg/Kg		10/4/2023 11:06
Barium	**7.15**	mg/Kg		10/4/2023 11:06
Cadmium	< 0.260	mg/Kg		10/4/2023 11:06
Chromium	**1.53**	mg/Kg		10/4/2023 11:06
Lead	< 0.521	mg/Kg		10/4/2023 11:06
Selenium	< 1.04	mg/Kg		10/4/2023 11:06
Silver	< 0.521	mg/Kg		10/4/2023 11:06

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 10/3/2023
Data File: 231004A

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 281	ug/Kg		10/4/2023 22:04
1,2,4,5-Tetrachlorobenzene	< 281	ug/Kg		10/4/2023 22:04
1,2,4-Trichlorobenzene	< 281	ug/Kg		10/4/2023 22:04
1,2-Dichlorobenzene	< 281	ug/Kg		10/4/2023 22:04
1,3-Dichlorobenzene	< 281	ug/Kg		10/4/2023 22:04
1,4-Dichlorobenzene	< 281	ug/Kg		10/4/2023 22:04
2,2-Oxybis (1-chloropropane)	< 281	ug/Kg		10/4/2023 22:04
2,3,4,6-Tetrachlorophenol	< 281	ug/Kg		10/4/2023 22:04
2,4,5-Trichlorophenol	< 281	ug/Kg		10/4/2023 22:04

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-06 (5.0-6.0 ft)
Lab Sample ID: 234531-06 **Date Sampled:** 9/27/2023 8:00
Matrix: Soil **Date Received** 9/29/2023

2,4,6-Trichlorophenol	< 281	ug/Kg	10/4/2023	22:04
2,4-Dichlorophenol	< 281	ug/Kg	10/4/2023	22:04
2,4-Dimethylphenol	< 281	ug/Kg	10/4/2023	22:04
2,4-Dinitrophenol	< 1120	ug/Kg	10/4/2023	22:04
2,4-Dinitrotoluene	< 281	ug/Kg	10/4/2023	22:04
2,6-Dinitrotoluene	< 281	ug/Kg	10/4/2023	22:04
2-Chloronaphthalene	< 281	ug/Kg	10/4/2023	22:04
2-Chlorophenol	< 281	ug/Kg	10/4/2023	22:04
2-Methylnapthalene	< 281	ug/Kg	10/4/2023	22:04
2-Methylphenol	< 281	ug/Kg	10/4/2023	22:04
2-Nitroaniline	< 281	ug/Kg	10/4/2023	22:04
2-Nitrophenol	< 281	ug/Kg	10/4/2023	22:04
3&4-Methylphenol	< 281	ug/Kg	10/4/2023	22:04
3,3'-Dichlorobenzidine	< 281	ug/Kg	10/4/2023	22:04
3-Nitroaniline	< 281	ug/Kg	10/4/2023	22:04
4,6-Dinitro-2-methylphenol	< 376	ug/Kg	10/4/2023	22:04
4-Bromophenyl phenyl ether	< 281	ug/Kg	10/4/2023	22:04
4-Chloro-3-methylphenol	< 281	ug/Kg	10/4/2023	22:04
4-Chloroaniline	< 281	ug/Kg	10/4/2023	22:04
4-Chlorophenyl phenyl ether	< 281	ug/Kg	10/4/2023	22:04
4-Nitroaniline	< 281	ug/Kg	10/4/2023	22:04
4-Nitrophenol	< 281	ug/Kg	10/4/2023	22:04
Acenaphthene	< 281	ug/Kg	10/4/2023	22:04
Acenaphthylene	< 281	ug/Kg	10/4/2023	22:04
Acetophenone	< 281	ug/Kg	10/4/2023	22:04
Anthracene	< 281	ug/Kg	10/4/2023	22:04
Atrazine	< 281	ug/Kg	10/4/2023	22:04
Benzaldehyde	< 281	ug/Kg	10/4/2023	22:04
Benzo (a) anthracene	< 281	ug/Kg	10/4/2023	22:04
Benzo (a) pyrene	< 281	ug/Kg	10/4/2023	22:04

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier: SS-06 (5.0-6.0 ft)
Lab Sample ID: 234531-06 **Date Sampled:** 9/27/2023 8:00
Matrix: Soil **Date Received** 9/29/2023

Benzo (b) fluoranthene	< 281	ug/Kg	10/4/2023	22:04
Benzo (g,h,i) perylene	< 281	ug/Kg	10/4/2023	22:04
Benzo (k) fluoranthene	< 281	ug/Kg	10/4/2023	22:04
Bis (2-chloroethoxy) methane	< 281	ug/Kg	10/4/2023	22:04
Bis (2-chloroethyl) ether	< 281	ug/Kg	10/4/2023	22:04
Bis (2-ethylhexyl) phthalate	< 281	ug/Kg	10/4/2023	22:04
Butylbenzylphthalate	< 281	ug/Kg	10/4/2023	22:04
Caprolactam	< 281	ug/Kg	10/4/2023	22:04
Carbazole	< 281	ug/Kg	10/4/2023	22:04
Chrysene	< 281	ug/Kg	10/4/2023	22:04
Dibenz (a,h) anthracene	< 281	ug/Kg	10/4/2023	22:04
Dibenzofuran	< 281	ug/Kg	10/4/2023	22:04
Diethyl phthalate	< 281	ug/Kg	10/4/2023	22:04
Dimethyl phthalate	< 281	ug/Kg	10/4/2023	22:04
Di-n-butyl phthalate	< 281	ug/Kg	10/4/2023	22:04
Di-n-octylphthalate	< 281	ug/Kg	10/4/2023	22:04
Fluoranthene	< 281	ug/Kg	10/4/2023	22:04
Fluorene	< 281	ug/Kg	10/4/2023	22:04
Hexachlorobenzene	< 281	ug/Kg	10/4/2023	22:04
Hexachlorobutadiene	< 281	ug/Kg	10/4/2023	22:04
Hexachlorocyclopentadiene	< 1120	ug/Kg	10/4/2023	22:04
Hexachloroethane	< 281	ug/Kg	10/4/2023	22:04
Indeno (1,2,3-cd) pyrene	< 281	ug/Kg	10/4/2023	22:04
Isophorone	< 281	ug/Kg	10/4/2023	22:04
Naphthalene	< 281	ug/Kg	10/4/2023	22:04
Nitrobenzene	< 281	ug/Kg	10/4/2023	22:04
N-Nitroso-di-n-propylamine	< 281	ug/Kg	10/4/2023	22:04
N-Nitrosodiphenylamine	< 281	ug/Kg	10/4/2023	22:04
Pentachlorophenol	< 561	ug/Kg	10/4/2023	22:04
Phenanthrene	< 281	ug/Kg	10/4/2023	22:04

Sample Identifier: SS-06 (5.0-6.0 ft)
Lab Sample ID: 234531-06 **Date Sampled:** 9/27/2023 8:00
Matrix: Soil **Date Received** 9/29/2023

Phenol	< 281	ug/Kg		10/4/2023 22:04
Pyrene	< 281	ug/Kg		10/4/2023 22:04

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**56.7**	35.1 - 95.9		10/4/2023 22:04
2-Fluorobiphenyl	**53.9**	10 - 156		10/4/2023 22:04
2-Fluorophenol	**50.9**	36 - 81.3		10/4/2023 22:04
Nitrobenzene-d5	**50.1**	31.5 - 83.8		10/4/2023 22:04
Phenol-d5	**53.6**	37.7 - 84		10/4/2023 22:04
Terphenyl-d14	**65.0**	40.5 - 99.5		10/4/2023 22:04

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/3/2023
Data File: B67287.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.37	ug/Kg		10/5/2023 17:31
1,1,2,2-Tetrachloroethane	< 7.37	ug/Kg		10/5/2023 17:31
1,1,2-Trichloroethane	< 7.37	ug/Kg		10/5/2023 17:31
1,1-Dichloroethane	< 7.37	ug/Kg		10/5/2023 17:31
1,1-Dichloroethene	< 7.37	ug/Kg		10/5/2023 17:31
1,2,3-Trichlorobenzene	< 18.4	ug/Kg		10/5/2023 17:31
1,2,4-Trichlorobenzene	< 18.4	ug/Kg		10/5/2023 17:31
1,2,4-Trimethylbenzene	< 7.37	ug/Kg		10/5/2023 17:31
1,2-Dibromo-3-Chloropropane	< 36.8	ug/Kg		10/5/2023 17:31
1,2-Dibromoethane	< 7.37	ug/Kg		10/5/2023 17:31
1,2-Dichlorobenzene	< 7.37	ug/Kg		10/5/2023 17:31
1,2-Dichloroethane	< 7.37	ug/Kg		10/5/2023 17:31
1,2-Dichloropropane	< 7.37	ug/Kg		10/5/2023 17:31
1,3,5-Trimethylbenzene	< 7.37	ug/Kg		10/5/2023 17:31
1,3-Dichlorobenzene	< 7.37	ug/Kg		10/5/2023 17:31
1,4-Dichlorobenzene	< 7.37	ug/Kg		10/5/2023 17:31

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-06 (5.0-6.0 ft)		
Lab Sample ID:	234531-06	**Date Sampled:** 9/27/2023	8:00
Matrix:	Soil	**Date Received** 9/29/2023	

1,4-Dioxane	< 36.8	ug/Kg	10/5/2023	17:31
2-Butanone	< 36.8	ug/Kg	10/5/2023	17:31
2-Hexanone	< 18.4	ug/Kg	10/5/2023	17:31
4-Methyl-2-pentanone	< 18.4	ug/Kg	10/5/2023	17:31
Acetone	< 36.8	ug/Kg	10/5/2023	17:31
Benzene	< 7.37	ug/Kg	10/5/2023	17:31
Bromochloromethane	< 18.4	ug/Kg	10/5/2023	17:31
Bromodichloromethane	< 7.37	ug/Kg	10/5/2023	17:31
Bromoform	< 18.4	ug/Kg	10/5/2023	17:31
Bromomethane	< 7.37	ug/Kg	10/5/2023	17:31
Carbon disulfide	< 7.37	ug/Kg	10/5/2023	17:31
Carbon Tetrachloride	< 7.37	ug/Kg	10/5/2023	17:31
Chlorobenzene	< 7.37	ug/Kg	10/5/2023	17:31
Chloroethane	< 7.37	ug/Kg	10/5/2023	17:31
Chloroform	< 7.37	ug/Kg	10/5/2023	17:31
Chloromethane	< 7.37	ug/Kg	10/5/2023	17:31
cis-1,2-Dichloroethene	< 7.37	ug/Kg	10/5/2023	17:31
cis-1,3-Dichloropropene	< 7.37	ug/Kg	10/5/2023	17:31
Cyclohexane	< 36.8	ug/Kg	10/5/2023	17:31
Dibromochloromethane	< 7.37	ug/Kg	10/5/2023	17:31
Dichlorodifluoromethane	< 7.37	ug/Kg	10/5/2023	17:31
Ethylbenzene	< 7.37	ug/Kg	10/5/2023	17:31
Freon 113	< 7.37	ug/Kg	10/5/2023	17:31
Isopropylbenzene	< 7.37	ug/Kg	10/5/2023	17:31
m,p-Xylene	< 7.37	ug/Kg	10/5/2023	17:31
Methyl acetate	< 7.37	ug/Kg	10/5/2023	17:31
Methyl tert-butyl Ether	< 7.37	ug/Kg	10/5/2023	17:31
Methylcyclohexane	< 7.37	ug/Kg	10/5/2023	17:31
Methylene chloride	< 18.4	ug/Kg	10/5/2023	17:31
Naphthalene	< 18.4	ug/Kg	10/5/2023	17:31

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-06 (5.0-6.0 ft)		
Lab Sample ID:	234531-06	**Date Sampled:** 9/27/2023	8:00
Matrix:	Soil	**Date Received** 9/29/2023	

n-Butylbenzene	< 7.37	ug/Kg	10/5/2023	17:31
n-Propylbenzene	< 7.37	ug/Kg	10/5/2023	17:31
o-Xylene	< 7.37	ug/Kg	10/5/2023	17:31
p-Isopropyltoluene	< 7.37	ug/Kg	10/5/2023	17:31
sec-Butylbenzene	< 7.37	ug/Kg	10/5/2023	17:31
Styrene	< 18.4	ug/Kg	10/5/2023	17:31
tert-Butylbenzene	< 7.37	ug/Kg	10/5/2023	17:31
Tetrachloroethene	< 7.37	ug/Kg	10/5/2023	17:31
Toluene	< 7.37	ug/Kg	10/5/2023	17:31
trans-1,2-Dichloroethene	< 7.37	ug/Kg	10/5/2023	17:31
trans-1,3-Dichloropropene	< 7.37	ug/Kg	10/5/2023	17:31
Trichloroethene	< 7.37	ug/Kg	10/5/2023	17:31
Trichlorofluoromethane	< 7.37	ug/Kg	10/5/2023	17:31
Vinyl chloride	< 7.37	ug/Kg	10/5/2023	17:31

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**	
1,2-Dichloroethane-d4	**114**	72.3 - 128		10/5/2023	17:31
4-Bromofluorobenzene	**91.0**	70 - 123		10/5/2023	17:31
Pentafluorobenzene	**104**	80.7 - 124		10/5/2023	17:31
Toluene-D8	**101**	82.1 - 121		10/5/2023	17:31

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: z20049.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-07 (7.0-7.5 ft)		
Lab Sample ID:	234531-07	**Date Sampled:** 9/27/2023	12:20
Matrix:	Soil	**Date Received** 9/29/2023	

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 336	ug/Kg		10/4/2023 22:32
1,2,4,5-Tetrachlorobenzene	< 336	ug/Kg		10/4/2023 22:32
1,2,4-Trichlorobenzene	< 336	ug/Kg		10/4/2023 22:32
1,2-Dichlorobenzene	< 336	ug/Kg		10/4/2023 22:32
1,3-Dichlorobenzene	< 336	ug/Kg		10/4/2023 22:32
1,4-Dichlorobenzene	< 336	ug/Kg		10/4/2023 22:32
2,2-Oxybis (1-chloropropane)	< 336	ug/Kg		10/4/2023 22:32
2,3,4,6-Tetrachlorophenol	< 336	ug/Kg		10/4/2023 22:32
2,4,5-Trichlorophenol	< 336	ug/Kg		10/4/2023 22:32
2,4,6-Trichlorophenol	< 336	ug/Kg		10/4/2023 22:32
2,4-Dichlorophenol	< 336	ug/Kg		10/4/2023 22:32
2,4-Dimethylphenol	< 336	ug/Kg		10/4/2023 22:32
2,4-Dinitrophenol	< 1340	ug/Kg		10/4/2023 22:32
2,4-Dinitrotoluene	< 336	ug/Kg		10/4/2023 22:32
2,6-Dinitrotoluene	< 336	ug/Kg		10/4/2023 22:32
2-Chloronaphthalene	< 336	ug/Kg		10/4/2023 22:32
2-Chlorophenol	< 336	ug/Kg		10/4/2023 22:32
2-Methylnapthalene	< 336	ug/Kg		10/4/2023 22:32
2-Methylphenol	< 336	ug/Kg		10/4/2023 22:32
2-Nitroaniline	< 336	ug/Kg		10/4/2023 22:32
2-Nitrophenol	< 336	ug/Kg		10/4/2023 22:32
3&4-Methylphenol	< 336	ug/Kg		10/4/2023 22:32
3,3'-Dichlorobenzidine	< 336	ug/Kg		10/4/2023 22:32
3-Nitroaniline	< 336	ug/Kg		10/4/2023 22:32
4,6-Dinitro-2-methylphenol	< 449	ug/Kg		10/4/2023 22:32
4-Bromophenyl phenyl ether	< 336	ug/Kg		10/4/2023 22:32
4-Chloro-3-methylphenol	< 336	ug/Kg		10/4/2023 22:32
4-Chloroaniline	< 336	ug/Kg		10/4/2023 22:32

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Sample Identifier:	SS-07 (7.0-7.5 ft)		
Lab Sample ID:	234531-07	**Date Sampled:** 9/27/2023	12:20
Matrix:	Soil	**Date Received** 9/29/2023	

4-Chlorophenyl phenyl ether	< 336	ug/Kg	10/4/2023 22:32
4-Nitroaniline	< 336	ug/Kg	10/4/2023 22:32
4-Nitrophenol	< 336	ug/Kg	10/4/2023 22:32
Acenaphthene	< 336	ug/Kg	10/4/2023 22:32
Acenaphthylene	< 336	ug/Kg	10/4/2023 22:32
Acetophenone	< 336	ug/Kg	10/4/2023 22:32
Anthracene	< 336	ug/Kg	10/4/2023 22:32
Atrazine	< 336	ug/Kg	10/4/2023 22:32
Benzaldehyde	< 336	ug/Kg	10/4/2023 22:32
Benzo (a) anthracene	< 336	ug/Kg	10/4/2023 22:32
Benzo (a) pyrene	< 336	ug/Kg	10/4/2023 22:32
Benzo (b) fluoranthene	< 336	ug/Kg	10/4/2023 22:32
Benzo (g,h,i) perylene	< 336	ug/Kg	10/4/2023 22:32
Benzo (k) fluoranthene	< 336	ug/Kg	10/4/2023 22:32
Bis (2-chloroethoxy) methane	< 336	ug/Kg	10/4/2023 22:32
Bis (2-chloroethyl) ether	< 336	ug/Kg	10/4/2023 22:32
Bis (2-ethylhexyl) phthalate	< 336	ug/Kg	10/4/2023 22:32
Butylbenzylphthalate	< 336	ug/Kg	10/4/2023 22:32
Caprolactam	< 336	ug/Kg	10/4/2023 22:32
Carbazole	< 336	ug/Kg	10/4/2023 22:32
Chrysene	< 336	ug/Kg	10/4/2023 22:32
Dibenz (a,h) anthracene	< 336	ug/Kg	10/4/2023 22:32
Dibenzofuran	< 336	ug/Kg	10/4/2023 22:32
Diethyl phthalate	< 336	ug/Kg	10/4/2023 22:32
Dimethyl phthalate	< 336	ug/Kg	10/4/2023 22:32
Di-n-butyl phthalate	< 336	ug/Kg	10/4/2023 22:32
Di-n-octylphthalate	< 336	ug/Kg	10/4/2023 22:32
Fluoranthene	< 336	ug/Kg	10/4/2023 22:32
Fluorene	< 336	ug/Kg	10/4/2023 22:32
Hexachlorobenzene	< 336	ug/Kg	10/4/2023 22:32

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 234531

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Sample Identifier:	SS-07 (7.0-7.5 ft)		
Lab Sample ID:	234531-07	**Date Sampled:** 9/27/2023	12:20
Matrix:	Soil	**Date Received** 9/29/2023	

Hexachlorobutadiene	< 336	ug/Kg	10/4/2023	22:32
Hexachlorocyclopentadiene	< 1340	ug/Kg	10/4/2023	22:32
Hexachloroethane	< 336	ug/Kg	10/4/2023	22:32
Indeno (1,2,3-cd) pyrene	< 336	ug/Kg	10/4/2023	22:32
Isophorone	< 336	ug/Kg	10/4/2023	22:32
Naphthalene	< 336	ug/Kg	10/4/2023	22:32
Nitrobenzene	< 336	ug/Kg	10/4/2023	22:32
N-Nitroso-di-n-propylamine	< 336	ug/Kg	10/4/2023	22:32
N-Nitrosodiphenylamine	< 336	ug/Kg	10/4/2023	22:32
Pentachlorophenol	< 672	ug/Kg	10/4/2023	22:32
Phenanthrene	< 336	ug/Kg	10/4/2023	22:32
Phenol	< 336	ug/Kg	10/4/2023	22:32
Pyrene	< 336	ug/Kg	10/4/2023	22:32

Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**	
2,4,6-Tribromophenol	**69.0**	35.1 - 95.9		10/4/2023	22:32
2-Fluorobiphenyl	**70.3**	10 - 156		10/4/2023	22:32
2-Fluorophenol	**65.6**	36 - 81.3		10/4/2023	22:32
Nitrobenzene-d5	**60.3**	31.5 - 83.8		10/4/2023	22:32
Phenol-d5	**70.6**	37.7 - 84		10/4/2023	22:32
Terphenyl-d14	**79.5**	40.5 - 99.5		10/4/2023	22:32

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 10/3/2023
Data File: B67288.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Lab Project ID: 234531

Matrix: Soil

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	<0.00789	mg/Kg		10/4/2023 11:48

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023
QC Batch ID: QC231003Hgsoil
QC Number: Blk 1

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: **Bergmann Associates**

Project Reference: 23010004G APA Relocation

Lab Project ID: 234531

Matrix: Soil

Mercury

Analyte	LCS Added	LCSD Added	Spike Units	LCS Result	LCSD Result	LCS % Recovery	LCSD % Recovery	% Rec Limits	LCS Outliers	LCSD Outliers	Relative % Difference	RPD Limit	RPD Outliers	Date Analyzed
Mercury	0.0668	0.0693	mg/Kg	0.0685	0.0717	103	103	80 - 120			0.787	20		10/4/2023

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023
QC Number: 1
QC Batch ID: QC231003Hgsoil

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, October 6, 2023

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Sample Spike and Sample Duplicate

Client: **Bergmann Associates** **Lab Project ID:** 234531

Project Reference: 23010004G APA Relocation

Lab Sample ID: 234531-01 **Date Sampled:** 9/25/2023
Sample Identifier: SS-01 (8.0-9.0 ft) **Date Received:** 9/29/2023
Matrix: Soil

Mercury

Analyte	Sample Results	Result Units	Spike Added	Spike Result	Spike % Recovery	% Rec Limits	Spike Outliers	Duplicate Result	Relative % Difference	RPD Limit	RPD Outliers	Date Analyzed
Mercury	**0.230**	mg/Kg	0.0838	0.368	164	75 - 125	*	0.287	21.9	20	*	10/4/2023

Method Reference(s): EPA 7471B
Preparation Date: 10/3/2023
QC Batch ID: QC231003Hgsoil

NC = Not Calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, October 6, 2023

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"H" = Denotes a parameter analyzed outside of holding time.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES

REPORT TO:		INVOICE TO:		
COMPANY:	Bergmann	COMPANY:	SAME	LAB PROJECT ID: 234531
address:	280 E. Broad Street	ADDRESS:		
CITY:	Rochester STATE: NY ZIP:	CITY:	STATE: ZIP:	Quotation #:
PHONE:	FAX:	PHONE:	FAX:	Email:
ATTN:	Skylar.Francis@Collierseng.com	ATTN:		

PROJECT REFERENCE: 23010004G APA relocation

Matrix Codes: AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	VOC 8260+CP	SVOC 8270 +CP	RCRA Metals	PCB 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
9/25/23	13:45		X	SS-01 (8.0-9.0ft)	SO	2	X	X	X	X	N/A PCB	01
9/25/23	14:20		X	SS-02 (3.0-4.0ft)	SO	2	X	X	X	X	N/A PCB	02
9/25/25	16:20		X	SS-03 (5.0-6.0 ft)	SO	3	X	X	X	X		03
9/26/23	7:45		X	SS-04 (4.5-5.5ft)	SO	2	X	X	X	X	N/A PCB	04
9/26/23	15:10		X	SS-05 (6.0-7.0ft)	SO	3	X	X	X	X		05
9/27/23	8:00		X	SS-06 (5.0-6.0ft)	SO	2	X	X	X	X	N/A PCB	06
9/27/23	12:20		X	SS-07 (7.0-7.5ft)	SO	1		X			low volume okay	07
~~9/27/23~~											per SF BH 9/29/23	
						per visual BH ~~9/27~~ 10/2/23						

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required	X	None Required	X
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other please indicate date needed:		Other please indicate package needed:		Other EDD please indicate EDD needed :	

Skylar Francis — Sampled By — 9/25 - 9/27/23 — Date/Time

Relinquished By — 9/29/23 — Date/Time

Received By — 9/29/23 1424 — Date/Time

Received @ Lab By — 9/29/23 1452 — Date/Time

1°C iced 9/29/23 1427

Total Cost:

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: Bergmann

Lab Project ID: 234531

Completed by: [signature]

Date: 9/29/2023

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X	X 5035	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X no vials (except Mg)
Comments	1°C Med		
Compliant Sample Quantity/Type	X	X Sample -07	
Comments	Low Volume okay for client		

APPENDIX 3

280 E. Broad Street
Rochester, NY 14604

TEL: 585.232.5135
www.bergmannpc.com

LIMITATIONS FOR INVESTIGATION PROJECT WORK

1. While additional explorations will always better define the nature and extent of contamination at any given site, it is our professional opinion that soil and groundwater at the site has been sampled and analyzed for VOCs at limited locations.

2. Environmental impairment of a property may result from activities such as illegal, unreported dumping, or sudden spilling of hazardous waste or materials. It should be noted that the presence of contaminants at a particular property may not always be apparent, and the completion of a Phase I, Phase II Environmental Site Assessment at select areas and sample intervals cannot provide a guarantee that contamination and or hazardous waste or regulated materials do not exist in media tested or at other areas on the Site that were not tested.

3. It should be noted that no subsurface exploration can be thorough enough to exclude the possible presence of, variation of chemical compounds, hazardous materials or wastes at a given site. In cases where contaminants have not been discovered though exploration, this should not be construed as a guarantee that contaminants do not exist. At a given site, environmental conditions may exist that cannot be identified by visual observation. Where sample collection and testing have been performed, Bergmann's professional opinions are based in part on the interpretation of data from discrete sampling locations that may not represent conditions at unsampled locations.

4. It is the nature of environmental site assessment work for soil conditions observed during future remediation to vary from the conditions identified during the site assessment explorations, even when the exploration program conforms to industry standards.