RAVI ENGINEERING
& LAND SURVEYING, P.C.

May 10, 2024

Elizabeth Colvin
Wendel WD Architecture, Engineering, Surveying & Landscape Architecture, P.C.
237 Main Street, Suite 500
Buffalo, NY 14203

Re: Limited Phase II Environmental Site Assessment Report
631 Northland Avenue
Buffalo, New York

Dear Ms. Colvin:

Ravi Engineering & Land Surveying, P .C. (RE&LS) conducted a Limited Phase II Environmental Site Assessment (ESA) of 631 Northland Avenue, Erie County, Buffalo, New York (the "Site") (Figure 1). This report has been prepared to summarize field activities and observations, and analytical data of soil and groundwater samples.

BACKGROUND

The subject site is an approximately 2.63-acre parcel on the south side of Northland Avenue in the City of Buffalo, New York (the "Site"). It was reportedly developed in 1953 in association with the Niagara Machine & Tool metal fabricating plant historically located on the eastern adjacent property at 683 Northland Avenue. It operated as a metal fabricating plant under the name Clearing Niagara, and has been vacant since operations ceased in 1992.

RE&LS performed a Phase I ESA in February 2024, and identified the use of the Site and adjacent properties for manufacturing of machinery and sheet metal, household and automotive polish, liquid and cement, electric control panels, and printed circuit boards as a Recognized Environmental Conditions (RECs). Additional investigation was recommended to determine if existing conditions at the Site meet the criteria necessary to enter into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program.

Prior to conducting the Limited Phase II ESA, RE&LS reviewed a 2015 Phase II ESA report prepared by Fisher Associates. Fisher's Phase II was conducted at 631, 683, 741, and 777 Northland Avenue. Soil borings were installed within the subject building and around the eastern and western perimeter of the building as well as on the referenced adjacent properties. One soil sample exhibited exceedances of Benzo(a)pyrene and arsenic above the Industrial Use Soil Cleanup Objective (SCO) at the southeastern portion of the Site. No groundwater samples were collected at the Site.

METHODOLOGY

Soil Borings

RE&LS conducted a subsurface investigation on April 9-12, 2024. Four sub-slab borings (BH1, BH2, BH3, and BH5) and three bedrock wells (MW1, MW2, and MW3) were installed by NW Contracting, Inc. around the southern, southeastern, and western exterior of the building (Figure 2). Soil samples were screened for volatile organic compounds (VOCs) with a photoionization detector (PID) for evidence of petroleum impacts. Field observations were recorded on boring logs (Attachment A).

Four (4) soil samples were collected and analyzed by Paradigm Environmental Services, Inc. (Paradigm) for New York State Department of Environmental Conservation (NYSDEC) Target Compound List (TCL) and Commissioner's Policy 51 (CP-51) VOCs by USEPA Method 8260, TCL semivolatile organic compounds (SVOCs) by Method 8270, RCRA metals by Methods 7471B and 6010C, and polychlorinated biphenyls (PCB) by Method 8082A. Paradigm's Laboratory Analytical reports are provided as Attachment B.

One additional soil sample (SB7) was collected on April 25, 2024 during a geotechnical investigation, which was conducted concurrently with the RE&LS Phase II ESA. The sample was collected due to observations of petroleum impacts, and was analyzed by Paradigm for TCL and CP-51 VOCs and CP-51 SVOCs.

Based on the current zoning of the Site for light industrial use, soil analytical results were compared to 6 NYCRR Part 375 Restricted Use Soil Cleanup Objectives for Industrial Use.

Bedrock Wells

Three bedrock wells were installed using a drill rig equipped with 4¼ inch hollow stem augers. The augers were advanced to the top of bedrock, and then a HQ-size bedrock core was advanced 10 feet into bedrock, to an approximate total depth of 20 feet. The wells were constructed of 10-feet of 2-inch diameter polyvinyl chloride (PVC) screen with a riser pipe extending to the surface. The annular space was backfilled with US Silica quartz sand to approximately 1 foot above the top of the screened interval, and then finished with bentonite clay to the surface. The well was then completed with a flush-mounted road box grouted in place with Quikrete.

The bedrock wells were developed and purged of five (5) well volumes using hand bailers on April 25, 2024. Three groundwater samples were collected and submitted to Paradigm for TCL and CP51 VOC and CP51 SVOC analysis.

RESULTS

Soil Screening Results

Soil borings general consisted of sand and clay fill, with ash, cinders, and slag found in varying amounts. Saturated conditions were encountered in one location (BH5), near the southeast corner of the Site. Bedrock refusal was encountered between 8.7 and 11.4 feet below ground surface (BGS).

With the exception of the observed fill material in the soil borings, no other evidence of impacts were noted; there were no odors, staining, or PID readings that would indicate petroleum contamination (Attachment A).

SOIL Analytical Results

Metals

Metals were detected in three of the four soil samples at concentrations below 6 NYCRR Part 375 Unrestricted Use SCO (Table 1).

- The concentration of arsenic, chromium, lead, and selenium in one sample (BH3) is above Unrestricted Use SCOs.
- With the exception of arsenic, all concentrations were below the Commercial Use SCO.
- The arsenic concentration exceeds all Part 375 Restricted Use SCOs.

VOCs

Two petroleum-related VOCs (m,p-Xylene and methylcyclohexane) were detected in one soil sample (SB7), and one solvent-related VOC (trichloroethene) was detected in one soil sample (BH3). None of the detections exceeds Unrestricted Use SCOs.

SVOCs

One SVOC was detected in one soil sample (BH3). The concentration is above the Unrestricted Use SCO, but is below the Commercial Use SCO.

PCBs

PCB-1254 was detected in two soil samples (BH3 and BH5) near the southeastern corner of the building above. The concentrations are above the Unrestricted Use SCO, but below the Commercial Use SCO.

GROUNDWATER ANALYTICAL RESULTS

There were no analytes detected in any of the groundwater samples (Table 2).

Paradigm's Laboratory Analytical Reports are included as Attachment B.

CONCLUSIONS AND RECOMMENDATION

Based on our Limited Phase II ESA, soil at the southern portion of the Site is impacted with arsenic above Industrial Use SCOs. With the exception of arsenic in soil, all other detected analytes were found at concentrations below Commercial Use SCOs. No groundwater contaminants were identified.

While none of the RE&LS Phase II ESA samples exhibited SVOC concentrations above the Part 375 Industrial Use SCO, Fisher reported one soil boring (SB006) at the southeastern end of the Site with arsenic and Benzo(a)pyrene concentrations exceeding Industrial Use SCOs.

We recommend consulting with an environmental attorney to determine if these data are sufficient to support a potential Brownfield Cleanup Program (BCP) application. At a minimum, a Soil Management Plan should be prepared to manage soil that will be excavated during future renovation of the Site.

Please feel free to contact me if you have any questions or comments.

Sincerely,

Lynn Zicari

Environmental Project Manager

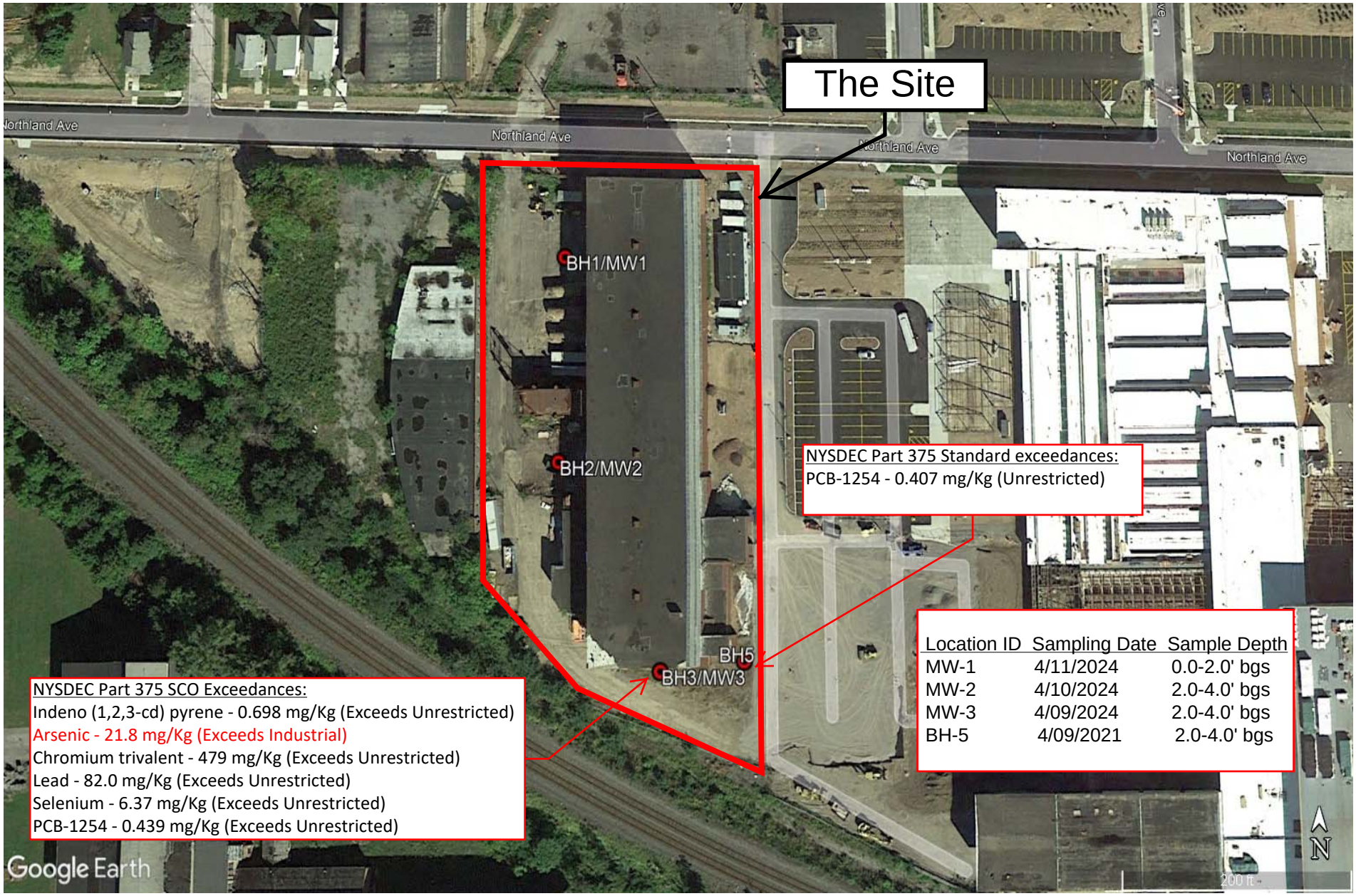
ATTACHMENTS

Figure 1	Site Location Map
Figure 2	Boring Location Map
Table 1	Soil Sample Results
Table 2	Groundwater Sample Results
Attachment A	Boring Logs and Monitor Well Purge Logs
Attachment B	Laboratory Analytical Reports

RAVI ENGINEERING & LAND SURVEYING, P.C.
2110 S. CLINTON AVENUE, SUITE 1
ROCHESTER, NEW YORK 14618
TL: (585) 223-3660 FX (585) 697-1764

Site Location Map
631 Northland Avenue
Buffalo, New York

PROJECT NO.	DATE:
43-24-029	May 2024
Scale: NTS	Figure No: 1



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Boring Location Map
631 Northland Avenue
Buffalo, New York

PROJECT NO.	DATE:
43-24-029	May 2024
Scale: NTS	Figure No: 2

Table 1
Soil Analytical Results
631 Northland Avenue
Buffalo, New York

Analyte	Unrestricted Use SCOs	Commercial Use SCOs	Industrial Use SCOs	Protection of Groundwater	Sample Date: 4/11/2024 Sample Depth: 0.0'-2.0' bgs Sample ID: BH-1/MW-1	4/10/2024 2.0-4.0'bgs BH-2/MW-2	4/9/2024 2.0-4.0'bgs BH-3/MW-3	4/9/2024 2.0-4.0'bgs BH-5	4/25/2024 4.0-6.0' bgs SB-7
1,1,1-Trichloroethane	0.68	500	1000	0.68	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.6	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,1,2-Trichloroethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,1-Dichloroethane	0.27	240	480	0.27	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,1-Dichloroethene	0.33	500	1000	0.33	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,2,3-Trichlorobenzene	NS	NS	NS	NS	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
1,2,4-Trichlorobenzene	NS	NS	NS	3.4	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	<0.0424	<0.0455	<0.0394	<0.0485	<0.0489
1,2-Dibromoethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,2-Dichlorobenzene	1.1	500	1000	1.1	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,2-Dichloroethane	0.02	30	60	0.02	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,2-Dichloropropane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,3,5-Trimethylbenzene	8.4	190	380	8.4	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,3-Dichlorobenzene	2.4	280	560	2.4	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,4-Dichlorobenzene	1.8	130	250	1.8	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
1,4-Dioxane	0.1	130	250	0.1	<0.0424	<0.0455	<0.0394	<0.0485	<0.0489
2-Butanone	0.12	500	1000	0.3	<0.0424	<0.0455	<0.0394	<0.0485	<0.0489
2-Hexanone	NS	NS	NS	NS	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
4-Methyl-2-pentanone	NS	NS	NS	1	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
Acetone	0.05	500	1000	0.05	<0.0424	<0.0455	<0.0394	<0.0485	<0.0489
Benzene	0.06	44	89	0.06	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Benzene	0.06	44	89	0.06	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Bromochloromethane	NS	NS	NS	NS	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
Bromodichloromethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Bromoform	NS	NS	NS	NS	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
Bromomethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Carbon disulfide	NS	NS	NS	2.7	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Carbon Tetrachloride	0.76	22	44	0.76	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Chlorobenzene	1.1	500	1000	1.1	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Chloroethane	NS	NS	NS	1.9	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Chloroform	0.37	350	700	0.37	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Chloromethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
cis-1,2-Dichloroethene	0.25	500	1000	0.25	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
cis-1,3-Dichloropropene	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Cyclohexane	NS	NS	NS	NS	<0.0424	<0.0455	<0.0394	<0.0485	<0.0489
Dibromochloromethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Dichlorodifluoromethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Ethylbenzene	1	390	780	1	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Freon 113	NS	NS	NS	6	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Isopropylbenzene	NS	NS	NS	2.3	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Isopropylbenzene	2.3				<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
m,p-Xylene	0.26	500	1000	1.6	<0.00848	<0.0091	<0.00788	<0.0097	**0.0108**
Methyl acetate	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Methyl tert-butyl Ether	0.93	500	1000	0.93	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Methylcyclohexane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	**0.0661**
Methylene chloride	0.05	500	1000	0.05	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
Naphthalene	12	500	100	12	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
n-Butylbenzene	12				<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
n-Propylbenzene	3.9	500	1000	3.9	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
o-Xylene	0.26	500	1000	1.6	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
p-Isopropyltoluene	10				<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
sec-Butylbenzene	11	500	1000	11	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Styrene	NS	NS	NS	NS	<0.0212	<0.0228	<0.0197	<0.0243	<0.0245
tert-Butylbenzene	5.9	500	1000	5.9	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Tetrachloroethene	1.3	150	300	1.3	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Toluene	0.7	500	1000	0.7	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
trans-1,2-Dichloroethene	0.19	500	1000	0.19	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
trans-1,3-Dichloropropene	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Trichloroethene	0.47	200	400	0.47	<0.00848	<0.0091	**0.011**	<0.0097	<0.00979
Trichlorofluoromethane	NS	NS	NS	NS	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979
Vinyl chloride	0.02	13	27	0.02	<0.00848	<0.0091	<0.00788	<0.0097	<0.00979

Table 1
Soil Analytical Results
631 Northland Avenue
Buffalo, New York

Analyte	Unrestricted Use SCOs	Commercial Use SCOs	Industrial Use SCOs	Protection of Groundwater	Sample Date: 4/11/2024 Sample Depth: 0.0'-2.0' bgs Sample ID: BH-1/MW-1	4/10/2024 2.0-4.0'bgs BH-2/MW-2	4/9/2024 2.0-4.0'bgs BH-3/MW-3	4/9/2024 2.0-4.0'bgs BH-5	4/25/2024 4.0-6.0' bgs SB-7
SVOC									
Acenaphthene	20	500	1000	98	<0.323	<0.347	<0.318	<0.342	<0.296
Acenaphthylene	100	500	1000	107	<0.323	<0.347	<0.318	<0.342	<0.296
Anthracene	100	500	1000	1000	<0.323	<0.347	<0.318	<0.342	<0.296
Benzo (a) anthracene	1	5.6	11	1	<0.323	<0.347	<0.318	<0.342	<0.296
Benzo (a) pyrene	1	1	1.1	22	<0.323	<0.347	<0.318	<0.342	<0.296
Benzo (b) fluoranthene	0.8	5.6	11	1.7	<0.323	<0.347	<0.318	<0.342	<0.296
Benzo (g,h,i) perylene	100	500	1000	1000	<0.323	<0.347	<0.318	<0.342	<0.296
Benzo (k) fluoranthene	0.8	56	110	1.7	<0.323	<0.347	<0.318	<0.342	<0.296
Chrysene	1	56	110	1	<0.323	<0.347	<0.318	<0.342	<0.296
Dibenz (a,h) anthracene	0.33	0.56	1.1	1000	<0.323	<0.347	<0.318	<0.342	<0.296
Dibenzofuran	0.7	350	1000		<0.323	<0.347	<0.318	<0.342	<0.296
Fluoranthene	100	500	1000	1000	<0.323	<0.347	**0.325**	<0.342	<0.296
Fluorene	30	500	1000	386	<0.323	<0.347	<0.318	<0.342	<0.296
Indeno (1,2,3-cd) pyrene	0.5	5.6	11	8.2	<0.323	<0.347	**0.698**	<0.342	<0.296
Naphthalene	12	500	1000	12	<0.323	<0.347	<0.318	<0.342	<0.296
Phenanthrene	100	500	1000	1000	<0.323	<0.347	<0.318	<0.342	<0.296
Pyrene	100	500	1000	1000	<0.323	<0.347	**0.347**	<0.342	<0.296
Metals									
Arsenic	13	16	16	16	**4.32**	**8.07**	**21.8**	**5.37**	NA
Barium	350	400	10000	820	**111**	**160**	**91.6**	**94.9**	NA
Cadmium	2.5	9.3	60	7.5	**1.05**	**1.06**	**1.74**	**0.856**	NA
Chromium trivalent	30	1500	6800	NS	**17.9**	**29.3**	**479**	**20.7**	NA
Lead	63	1000	3900	450	**27.5**	**15.5**	**82.0**	**19.7**	NA
Mercury	0.18	2.8	5.7	0.73	**0.0752**	**0.0382**	**0.0318**	**0.106 M**	NA
Selenium	3.9	1500	6800	4	**2.52 M**	<1.26	**6.37**	<1.27	NA
Silver	2	1500	6800	2480	<0.570	<0.628	**0.625**	<0.634	NA
PCBs									
PCB-1016	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA
PCB-1221	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA
PCB-1232	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA
PCB-1242	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA
PCB-1248	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA
PCB-1254	0.1	1	25		<0.155	<0.169	**0.439**	**0.407**	NA
PCB-1260	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA
PCB-1262	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA
PCB-1268	0.1	1	25		<0.155	<0.169	<0.156	<0.180	NA

LEGEND

Units are in mg/Kg

-- The analyte was not detected at or above the reporting limit

NS = No standard listed in NYSDEC Part 375 for the associated analyte

J = Result estimated between the quantitation limit and half the quantitation limit

Bold font denotes analyte detection

Highlighted cell denotes analyte exceeds NYSDEC Part 375 Standard

NA - the sample was not analyzed for the associated compounds

Table 2
Groundwater Analytical Results

631 Northland Avenue
Buffalo, New York

	Sample ID	MW-1	MW-2	MW-3
TCL and CP51 VOCs	TOGS 1.1.1	Sample date 4/25/2024	Sample date 4/25/2024	Sample date 4/25/2024
1,1,1 Trichlorethane	NS	<2.00	<2.00	<2.00
1,1,2,2-Tetrachloroethane	5	<2.00	<2.00	<2.00
1,1,2-Trichloroethane	1	<2.00	<2.00	<2.00
1,1-Dichloroethane	5	<2.00	<2.00	<2.00
1,1-Dichloroethene	5	<2.00	<2.00	<2.00
1,2,3-Trichlorobenzene	5	<5.00	<5.00	<5.00
1,2,4-Trichlorobenzene	5	<5.00	<5.00	<5.00
1,2,4-Trimethylbenzene	5	<2.00	<2.00	<2.00
1,2-Dibromo-3-Chloropropane	0.04	<10.0	<10.0	<10.0
1,2-Dibromoethane	NS	<2.00	<2.00	<2.00
1,2-Dichlorobenzene	3	<2.00	<2.00	<2.00
1,2-Dichloroethane	0.6	<2.00	<2.00	<2.00
1,2-Dichloropropane	1	<2.00	<2.00	<2.00
1,3,5-Trimethylbenzene	5	<2.00	<2.00	<2.00
1,3-Dichlorobenzene	3	<2.00	<2.00	<2.00
1,4-Dichlorobenzene	3	<2.00	<2.00	<2.00
1,4-dioxane	0.35	<20.0	<20.0	<20.0
2-Butanone	NS	<10.0	<10.0	<10.0
2-Hexanone	50	<5.00	<5.00	<5.00
4-Methyl-2-pentanone	NS	<5.00	<5.00	<5.00
Acetone	50	<10.0	<10.0	<10.0
Benzene	1	<1.00	<1.00	<1.00
Bromochloromethane	5	<5.00	<5.00	<5.00
Bromodichloromethane	50	<2.00	<2.00	<2.00
Bromoform	50	<5.00	<5.00	<5.00
Bromomethane	5	<2.00	<2.00	<2.00
Carbon disulfide	60	<2.00	<2.00	<2.00
Carbon Tetrachloride	5	<2.00	<2.00	<2.00

Table 2
Groundwater Analytical Results

631 Northland Avenue
Buffalo, New York

Chlorobenzene	5	<2.00	<2.00	<2.00
Chloroethane	5	<2.00	<2.00	<2.00
Chloroform	7	<2.00	<2.00	<2.00
Chloromethane	5	<2.00	<2.00	<2.00
cis-1,2-Dichloroethene	5	<2.00	<2.00	<2.00
cis-1,3-Dichloropropene	0.4	<2.00	<2.00	<2.00
Cyclohexane	NS	<10.0	<10.0	<10.0
Dibromochloromethane	50	<2.00	<2.00	<2.00
Dichlorodifluoromethane	5	<2.00	<2.00	<2.00
Ethylbenzene	5	<2.00	<2.00	<2.00
Freon 113	5	<2.00	<2.00	<2.00
Isopropylbenzene	5	<2.00	<2.00	<2.00
m,p-Xylene	5	<2.00	<2.00	<2.00
Methyl acetate	NS	<2.00	<2.00	<2.00
Methyl tert-butyl Ether	10	<2.00	<2.00	<2.00
Methylcyclohexane	NS	<2.00	<2.00	<2.00
Methylene chloride	5	<5.00	<5.00	<5.00
n-Butylbenzene	5	<2.00	<2.00	<2.00
n-Propylbenzene	5	<2.00	<2.00	<2.00
Naphthalene	10	<5.00	<5.00	<5.00
o-Xylene	5	<2.00	<2.00	<2.00
p-Isopropyltoluene	5	<2.00	<2.00	<2.00
sec-Butylbenzene	5	<2.00	<2.00	<2.00
Styrene	5	<5.00	<5.00	<5.00
tert-Butylbenzene	5	<2.00	<2.00	<2.00
Tetrachloroethene	5	<2.00	<2.00	<2.00
Toluene	5	<2.00	<2.00	<2.00
trans-1,2-Dichloroethene	5	<2.00	<2.00	<2.00
trans-1,3-Dichloropropene	0.4	<2.00	<2.00	<2.00
Trichloroethene	5	<2.00	<2.00	<2.00
Trichlorofluoromethane	5	<2.00	<2.00	<2.00
Vinyl chloride	2	<2.00	<2.00	<2.00

Table 2
Groundwater Analytical Results

631 Northland Avenue
Buffalo, New York

CP51 SVOCs

Acenaphthene	20	<10.5	<10.5	<10.5
Acenaphthylene	NS	<10.5	<10.5	<10.5
Anthracene	50	<10.5	<10.5	<10.5
Benzo (a) anthracene	0.002	<10.5	<10.5	<10.5
Benzo (a) pyrene	NS	<10.5	<10.5	<10.5
Benzo (b) fluoranthene	0.002	<10.5	<10.5	<10.5
Benzo (g,h,i) perylene	NS	<10.5	<10.5	<10.5
Benzo (k) fluoranthene	0.002	<10.5	<10.5	<10.5
Carbazole	NS	<10.5	<10.5	<10.5
Chrysene	0.002	<10.5	<10.5	<10.5
Dibenz (a,h) anthracene	NS	<10.5	<10.5	<10.5
Dibenzofuran	NS	<10.5	<10.5	<10.5
Fluoranthene	50	<10.5	<10.5	<10.5
Fluorene	50	<10.5	<10.5	<10.5
Indeno (1,2,3-cd) pyrene	0.002	<10.5	<10.5	<10.5
Phenanthrene	50	<10.5	<10.5	<10.5
Pyrene	50	<10.5	<10.5	<10.5

Legend
Units are in µg/L
NS: No standard for analyte listed in NYSDEC TOGS 1.1.1
Bold font denotes analyte detection

ATTACHMENT A

Boring & Monitor Well Construction Logs
Monitor Well Development & Sampling Purge Logs

631 Northland Avenue
Buffalo, Erie County, New York
RE&LS PN 43-24-029

RAVI ENGINEERING & LAND SURVEYING, P.C.

631 Northland Avenue - BUDC
Buffalo NY

BORING	BH1/MW-1
PROJECT #:	40-24-029
CHKD. BY:	LZ

CONTRACTOR: NW Contracting, Inc.
DRILLER: Nate, Steve
RE&LS PERSONNEL: W. McAlpin

BORING LOCATION: Parking lot, NW side of bldg
GROUND SURFACE ELEVATION: N/A
DATE: 4/11/2024

TYPE OF DRILL RIG:
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS

DEPTH	Sample Data: BLOW /6"	RECOVERY (%)	LITHOLOGY	DESCRIPTION AND CLASSIFICATION	WELL CONSTRUCTION Diagram	WELL CONSTRUCTION Remarks	PID (ppm)
1	13	60%		Interval Sampled 0.0-2.0' bgs Med. Brown sandy clay fill, trace coal		Road box Bentonite clay	0.0
2	8						
3	7 5						
4	5 3						
5	8 8	85%		Medium brown clay fill with rock		Backfilled with US Silica quartz sand	0.0
6	5 5						
7	9 12						0.0
8	8 11						
9	13 22	70%		SAA			0.0
10	7 13			Bedrock refusal at 9.3' bgs			
11	20 50/2			Bedrock well set 10' into clean limestone bedrock to a depth of 19.5' BGS. Drillers indicate there is a void in the bedrock indicating water movement.		2-inch diameter PVC screen with riser pipe extending to surface	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

CORE DATA

RUN #	INTERVAL	LENGTH	REC (FT)	REC (%)	RQD (%)
1	9.3' - 14.3'	5.0'	2.7'	54.5	36.4
2	14.3' - 19.5'	5.2'	3.7'	71.4	64.0

LEGEND

S- Surficial Soil Sample
SS Subsurface Soil Sample
SAA- Same as above

GENERAL NOTES:

1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

RAVI ENGINEERING & LAND SURVEYING, P.C.

631 Northland Avenue - BUDC

Buffalo NY

BORING	BH2/MW-2
PROJECT #:	40-24-029
CHKD. BY:	LZ

CONTRACTOR: NW Contracting, Inc.
DRILLER: Nate, Vince
RE&LS PERSONNEL: W. McAlpin

BORING LOCATION: Parking lot, west of bldg
GROUND SURFACE ELEVATION: N/A
DATE: 4/10/2024

TYPE OF DRILL RIG:
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS

DEPTH	Sample Data: BLOW /6"	RECOVERY (%)	LITHOLOGY	DESCRIPTION AND CLASSIFICATION	WELL CONSTRUCTION Diagram / Remarks	PID (ppm)
	12			Asphalt blacktop	Road box	
1	12			Dry, sand and silt with gravel (~50%)	Bentonite clay	
2	8					
	5	60%				0.0
3	6			Dry, silt with trace clays		
	7					
4	10					
	3					
5	6			Interval Sampled 2.0-4.0' bgs		0.0
	10					
6	11					
	19	85%				
7	25			Dry, silt with trace clays into clay with silt laminations, till	Backfilled with US Silica quartz sand	0.0
	8					
8	14					
	21					
9	27			Silty clay with till		0.0
	8					
10	20					
	50/5	60%				0.0
11						
12				Bedrock well set 10' into clean limestone bedrock to a depth of 21.5' BGS. Drillers indicate return water was lost.		
13						
14						
15						
16					2-inch diameter PVC screen with riser pipe extending to surface	
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

CORE DATA

RUN #	INTERVAL	LENGTH	REC (FT)	REC (%)	RQD (%)
1	11.4' - 16.4'	5.0'	3.7'	73.8	54.0
2	16.4' - 21.5'	5.1'	3.5'	70	60.7

LEGEND

S- Surficial Soil Sample
SS Subsurface Soil Sample
SAA- Same as above

GENERAL NOTES:

1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

BORING #: BH2/MW-2

RAVI ENGINEERING & LAND SURVEYING, P.C.

631 Northland Avenue - BUDC

Buffalo NY

BORING	MW-3
PROJECT #:	40-24-029
CHKD. BY:	LZ

CONTRACTOR: NW Contracting, Inc.
DRILLER: Nate, Vince
RE&LS PERSONNEL: W. McAlpin

BORING LOCATION: Parking lot, south of bldg
GROUND SURFACE ELEVATION: N/A
DATE: 4/9/2024

TYPE OF DRILL RIG:
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS

DEPTH	Sample Data BLOW /6"	RECOVERY (%)	LITHOLOGY	DESCRIPTION AND CLASSIFICATION	WELL CONSTRUCTION Diagram	WELL CONSTRUCTION Remarks	PID (ppm)
1	11	50%		Coarse dark sand fill, some ash, trace slag		Road box	0.0
	8					Bentonite clay	
	48						
2	35			Interval Sampled 2.0-4.0' bgs			
	38						0.0
3	48			Dark brown clay, some cinder, trace brick			
	29						
4	18						
	4	40%		Dark brown sand fill		Backfilled with US Silica quartz sand	0.0
5	5						
	6						
6	3			Dark brown clay, fill, trace tree roots			0.0
	7						
7	2						
	5						
8	32						
	55	0%		Bedrock refusal at 8.7' bgs			2.6
9							
10							
11							
12							
13				Bedrock well set 10' into clean limestone bedrock to a depth of 19.0' BGS. Drillers indicate return water was lost.		2-inch diameter PVC screen with riser pipe extending to surface	
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

CORE DATA

RUN #	INTERVAL	LENGTH	REC (FT)	REC (%)	RQD (%)
1	8.7' - 14.0'	5.3'	2.0'	38	20.4
2	14.0' - 19.0'	5.0'	3.9'	80	80.0

LEGEND

S- Surficial Soil Sample
SS Subsurface Soil Sample
SAA- Same as above

GENERAL NOTES:

1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface
ppm = parts per million

BORING #: BH3/MW-3

RAVI ENGINEERING & LAND SURVEYING, P.C.

631 Northland Avenue - BUDC
Buffalo NY

Boring # BH-5
PROJECT #: 40-24-029
CHKD. BY: LZ

CONTRACTOR: NW
DRILLER: Nate, Steve
RE&LS PERSONNEL: W. McAlpin

BORING LOCATION: Parking lot, SE side of bldg
GROUND SURFACE ELEVATION:
DATE: 4/9/2024

TYPE OF DRILL RIG:
CASING SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD:
ROCK DRILLING METHOD: NA

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS

DEPTH	Sample Data BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		PID (ppm)
1					40%		0.0
2							
	7					Brown, CLAY LOAM, fill, trace asphalt	
3	7				40%		0.0
4	9					Interval Sampled 2.0-4.0' bgs	
	7						
	16						
5	17				40%	SANDY CLAY, fill, some ash, trace asphalt	0.0
	7						
6	6						
	2						
7	1				40%	Wet 'CLAY +SILT with mucky substance (potentially wet ash)	0.0
	1						
8	1						
	1						
9	1				40%	Dark grey SILT, saturated @ 8.5, over SILT +Gravel at 9.2'	0.0
	50/2						
10						Refusal at 9.2 feet	
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

LEGEND
S- Surficial Soil Sample
SS Subsurface Soil Sample

GENERAL NOTES:
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.
bgs = below ground surface
ppm = parts per million

BORING #

RAVI ENGINEERING & LAND SURVEYING, P.C.

Well Sampling Field Record

Project Name: 631 Northland
Well ID: MW-1
Logged by: WM
Weather: _____

Sampling Date: 04-25-24
Installation Date: _____
Air temperature: _____

Job # _____
Start Time: _____
End Time: _____

Initial Depth to Water: 5'2"
Final Depth to Water: 18'4"
Screen Length: _____
Well Volume: 2.119 gals

Measurement Point: _____
Well Depth before: _____
Well Depth after: 6'0"
Sediment Depth Removed: _____

Well Diameter: 2"
Well Integrity:
Cap ✓
Casing _____
Locked _____
Collar _____

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: _____
Casing/Well difference: _____

WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments

Type of Water Quality Meter: Heron Instruments - Skinny Dipper
Purge Observations: Water has Settled out / clearish
Purge Water Containerized: Plastic bucket w/ lid

ANALYTICAL PARAMETERS

_____
_____

EQUIPMENT DOCUMENTATION

- ☐ Submersible Pump
- ☑ PVC Bailer
- ☐ Surge Block
- ☐ Other _____

Approximate Recharge Rate: _____

Total Gallons Removed: 10.595

Notes: 10.595 gallons to purge

Signature: _____
Checked By: _____

RAVI ENGINEERING & LAND SURVEYING, P.C.

Well Sampling Field Record

Project Name: 631 Nostrand
Well ID: MW-2
Logged by: TS
Weather: _____

Sampling Date: 4/25/24
Installation Date: _____
Air temperature: _____

Job #_____
Start Time: _____
End Time: _____

Initial Depth to Water: 7'0"
Final Depth to Water: 20'6"
Screen Length: _____
Well Volume: 2.2005 gals

Measurement Point: _____
Well Depth before: _____
Well Depth after: 7'2"
Sediment Depth Removed: _____

Well Diameter: 4"
Well Integrity:
Cap ✓
Casing _____
Locked _____
Collar _____

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: _____
Casing/Well difference: _____

WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments

Type of Water Quality Meter: _____
Purge Observations: Water has settled out clearish
Purge Water Containerized: Plastic bucket w/ lid

ANALYTICAL PARAMETERS

_____
_____

EQUIPMENT DOCUMENTATION

- ☐ Submersible Pump
- ☑ PVC Bailer
- ☐ Surge Block
- ☐ Other _____

Approximate Recharge Rate: _____

Total Gallons Removed: 11.0025

Notes: 11.0025 GAL TO PURGE

Signature: _____
Checked By: _____

RAVI ENGINEERING & LAND SURVEYING, P.C.

Well Sampling Field Record

Project Name: 631 Northland
Well ID: MW-3
Logged by: WM
Weather: _____

Sampling Date: 04-25-24
Installation Date: _____
Air temperature: _____

Job #_____
Start Time: _____
End Time: _____

Initial Depth to Water: 6' 1"
Final Depth to Water: 18'
Screen Length: _____
Well Volume: 1.956 gals
(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: _____
Well Depth before: _____
Well Depth after: 9'5"
Sediment Depth Removed: _____

Well Diameter: 2"
Well Integrity:
Cap ✓
Casing _____
Locked _____
Collar _____

Protective casing stick-up: _____
Casing/Well difference: _____

WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments

Type of Water Quality Meter: _____
Purge Observations: Water has settled out/clear
Purge Water Containerized: Plastic bucket with lid

ANALYTICAL PARAMETERS

_____
_____

EQUIPMENT DOCUMENTATION

- ☐ Submersible Pump
- ☑ PVC Bailer
- ☐ Surge Block
- ☐ Other _____

Approximate Recharge Rate: _____

Total Gallons Removed: 9.78

Notes: 9.78 G Purged – Dried up @ 5 gallons.

Signature: _____
Checked By: _____

ATTACHMENT B

Laboratory Analytical Reports

631 Northland Avenue
Buffalo, Erie County, New York
RE&LS PN 43-24-029

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Ravi Engineering & Land Surveying, P.C.

For Lab Project ID

241564

Referencing

631 Northland

Prepared

Wednesday, April 17, 2024

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

Emily Fairmen

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: BH-5
Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024 9:40
Matrix: Soil **Date Received** 4/10/2024

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.106**	mg/Kg	M	4/16/2024 09:06

Method Reference(s): EPA 7471B
Preparation Date: 4/15/2024
Data File: Hg240416A

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**5.37**	mg/Kg		4/15/2024 07:39
Barium	**94.9**	mg/Kg		4/15/2024 07:39
Cadmium	**0.856**	mg/Kg		4/15/2024 07:39
Chromium	**20.7**	mg/Kg		4/15/2024 07:39
Lead	**19.7**	mg/Kg		4/15/2024 07:39
Selenium	< 1.27	mg/Kg		4/15/2024 07:39
Silver	< 0.634	mg/Kg		4/15/2024 07:39

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 4/11/2024
Data File: 240415A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.180	mg/Kg		4/12/2024 00:34
PCB-1221	< 0.180	mg/Kg		4/12/2024 00:34
PCB-1232	< 0.180	mg/Kg		4/12/2024 00:34
PCB-1242	< 0.180	mg/Kg		4/12/2024 00:34

PCB-1248	< 0.180	mg/Kg	4/12/2024	00:34
PCB-1254	**0.407**	mg/Kg	4/12/2024	00:34
PCB-1260	< 0.180	mg/Kg	4/12/2024	00:34
PCB-1262	< 0.180	mg/Kg	4/12/2024	00:34
PCB-1268	< 0.180	mg/Kg	4/12/2024	00:34

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: BH-5
Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024 9:40
Matrix: Soil **Date Received** 4/10/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**54.3**	10 - 110		4/12/2024 00:34

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 4/11/2024

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 342	ug/Kg		4/12/2024 15:25
1,2,4,5-Tetrachlorobenzene	< 342	ug/Kg		4/12/2024 15:25
1,2,4-Trichlorobenzene	< 342	ug/Kg		4/12/2024 15:25
1,2-Dichlorobenzene	< 342	ug/Kg		4/12/2024 15:25
1,3-Dichlorobenzene	< 342	ug/Kg		4/12/2024 15:25
1,4-Dichlorobenzene	< 342	ug/Kg		4/12/2024 15:25
2,2-Oxybis (1-chloropropane)	< 342	ug/Kg		4/12/2024 15:25
2,3,4,6-Tetrachlorophenol	< 342	ug/Kg		4/12/2024 15:25
2,4,5-Trichlorophenol	< 342	ug/Kg		4/12/2024 15:25
2,4,6-Trichlorophenol	< 342	ug/Kg		4/12/2024 15:25
2,4-Dichlorophenol	< 342	ug/Kg		4/12/2024 15:25
2,4-Dimethylphenol	< 342	ug/Kg		4/12/2024 15:25
2,4-Dinitrophenol	< 1370	ug/Kg		4/12/2024 15:25
2,4-Dinitrotoluene	< 342	ug/Kg		4/12/2024 15:25
2,6-Dinitrotoluene	< 342	ug/Kg		4/12/2024 15:25
2-Chloronaphthalene	< 342	ug/Kg		4/12/2024 15:25
2-Chlorophenol	< 342	ug/Kg		4/12/2024 15:25
2-Methylnapthalene	< 342	ug/Kg		4/12/2024 15:25
2-Methylphenol	< 342	ug/Kg		4/12/2024 15:25
2-Nitroaniline	< 342	ug/Kg		4/12/2024 15:25

2-Nitrophenol	< 342	ug/Kg	4/12/2024	15:25
3&4-Methylphenol	< 342	ug/Kg	4/12/2024	15:25
3,3'-Dichlorobenzidine	< 342	ug/Kg	4/12/2024	15:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: BH-5
Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024 9:40
Matrix: Soil **Date Received** 4/10/2024

3-Nitroaniline	< 342	ug/Kg	4/12/2024	15:25
4,6-Dinitro-2-methylphenol	< 684	ug/Kg	4/12/2024	15:25
4-Bromophenyl phenyl ether	< 342	ug/Kg	4/12/2024	15:25
4-Chloro-3-methylphenol	< 342	ug/Kg	4/12/2024	15:25
4-Chloroaniline	< 342	ug/Kg	4/12/2024	15:25
4-Chlorophenyl phenyl ether	< 342	ug/Kg	4/12/2024	15:25
4-Nitroaniline	< 342	ug/Kg	4/12/2024	15:25
4-Nitrophenol	< 342	ug/Kg	4/12/2024	15:25
Acenaphthene	< 342	ug/Kg	4/12/2024	15:25
Acenaphthylene	< 342	ug/Kg	4/12/2024	15:25
Acetophenone	< 342	ug/Kg	4/12/2024	15:25
Anthracene	< 342	ug/Kg	4/12/2024	15:25
Atrazine	< 342	ug/Kg	4/12/2024	15:25
Benzaldehyde	< 342	ug/Kg	4/12/2024	15:25
Benzo (a) anthracene	< 342	ug/Kg	4/12/2024	15:25
Benzo (a) pyrene	< 342	ug/Kg	4/12/2024	15:25
Benzo (b) fluoranthene	< 342	ug/Kg	4/12/2024	15:25
Benzo (g,h,i) perylene	< 342	ug/Kg	4/12/2024	15:25
Benzo (k) fluoranthene	< 342	ug/Kg	4/12/2024	15:25
Bis (2-chloroethoxy) methane	< 342	ug/Kg	4/12/2024	15:25
Bis (2-chloroethyl) ether	< 342	ug/Kg	4/12/2024	15:25
Bis (2-ethylhexyl) phthalate	< 342	ug/Kg	4/12/2024	15:25
Butylbenzylphthalate	< 342	ug/Kg	4/12/2024	15:25
Caprolactam	< 342	ug/Kg	4/12/2024	15:25
Carbazole	< 342	ug/Kg	4/12/2024	15:25
Chrysene	< 342	ug/Kg	4/12/2024	15:25
Dibenz (a,h) anthracene	< 342	ug/Kg	4/12/2024	15:25
Dibenzofuran	< 342	ug/Kg	4/12/2024	15:25
Diethyl phthalate	< 342	ug/Kg	4/12/2024	15:25

Dimethyl phthalate	< 342	ug/Kg	4/12/2024	15:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: BH-5
Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024 9:40
Matrix: Soil **Date Received** 4/10/2024

Di-n-butyl phthalate	< 342	ug/Kg	4/12/2024	15:25
Di-n-octylphthalate	< 342	ug/Kg	4/12/2024	15:25
Fluoranthene	< 342	ug/Kg	4/12/2024	15:25
Fluorene	< 342	ug/Kg	4/12/2024	15:25
Hexachlorobenzene	< 342	ug/Kg	4/12/2024	15:25
Hexachlorobutadiene	< 342	ug/Kg	4/12/2024	15:25
Hexachlorocyclopentadiene	< 1370	ug/Kg	4/12/2024	15:25
Hexachloroethane	< 342	ug/Kg	4/12/2024	15:25
Indeno (1,2,3-cd) pyrene	< 342	ug/Kg	4/12/2024	15:25
Isophorone	< 342	ug/Kg	4/12/2024	15:25
Naphthalene	< 342	ug/Kg	4/12/2024	15:25
Nitrobenzene	< 342	ug/Kg	4/12/2024	15:25
N-Nitroso-di-n-propylamine	< 342	ug/Kg	4/12/2024	15:25
N-Nitrosodiphenylamine	< 342	ug/Kg	4/12/2024	15:25
Pentachlorophenol	< 684	ug/Kg	4/12/2024	15:25
Phenanthrene	< 342	ug/Kg	4/12/2024	15:25
Phenol	< 342	ug/Kg	4/12/2024	15:25
Pyrene	< 342	ug/Kg	4/12/2024	15:25

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**35.4**	35.1 - 95.9		4/12/2024	15:25
2-Fluorobiphenyl	**36.0**	10 - 156		4/12/2024	15:25
2-Fluorophenol	**37.6**	36 - 81.3		4/12/2024	15:25
Nitrobenzene-d5	**18.4**	31.5 - 83.8	*	4/12/2024	15:25
Phenol-d5	**36.5**	37.7 - 84	*	4/12/2024	15:25
Terphenyl-d14	**40.2**	40.5 - 99.5	*	4/12/2024	15:25

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 4/12/2024
Data File: B70815.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: BH-5
Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024 9:40
Matrix: Soil **Date Received** 4/10/2024

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.70	ug/Kg		4/15/2024 13:41
1,1,2,2-Tetrachloroethane	< 9.70	ug/Kg		4/15/2024 13:41
1,1,2-Trichloroethane	< 9.70	ug/Kg		4/15/2024 13:41
1,1-Dichloroethane	< 9.70	ug/Kg		4/15/2024 13:41
1,1-Dichloroethene	< 9.70	ug/Kg		4/15/2024 13:41
1,2,3-Trichlorobenzene	< 24.3	ug/Kg		4/15/2024 13:41
1,2,4-Trichlorobenzene	< 24.3	ug/Kg		4/15/2024 13:41
1,2,4-Trimethylbenzene	< 9.70	ug/Kg		4/15/2024 13:41
1,2-Dibromo-3-Chloropropane	< 48.5	ug/Kg		4/15/2024 13:41
1,2-Dibromoethane	< 9.70	ug/Kg		4/15/2024 13:41
1,2-Dichlorobenzene	< 9.70	ug/Kg		4/15/2024 13:41
1,2-Dichloroethane	< 9.70	ug/Kg		4/15/2024 13:41
1,2-Dichloropropane	< 9.70	ug/Kg		4/15/2024 13:41
1,3,5-Trimethylbenzene	< 9.70	ug/Kg		4/15/2024 13:41
1,3-Dichlorobenzene	< 9.70	ug/Kg		4/15/2024 13:41
1,4-Dichlorobenzene	< 9.70	ug/Kg		4/15/2024 13:41
1,4-Dioxane	< 48.5	ug/Kg		4/15/2024 13:41
2-Butanone	< 48.5	ug/Kg		4/15/2024 13:41
2-Hexanone	< 24.3	ug/Kg		4/15/2024 13:41
4-Methyl-2-pentanone	< 24.3	ug/Kg		4/15/2024 13:41
Acetone	< 48.5	ug/Kg		4/15/2024 13:41
Benzene	< 9.70	ug/Kg		4/15/2024 13:41
Bromochloromethane	< 24.3	ug/Kg		4/15/2024 13:41
Bromodichloromethane	< 9.70	ug/Kg		4/15/2024 13:41
Bromoform	< 24.3	ug/Kg		4/15/2024 13:41
Bromomethane	< 9.70	ug/Kg		4/15/2024 13:41

Carbon disulfide	< 9.70	ug/Kg	4/15/2024	13:41
Carbon Tetrachloride	< 9.70	ug/Kg	4/15/2024	13:41

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: BH-5
Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024 9:40
Matrix: Soil **Date Received** 4/10/2024

Chlorobenzene	< 9.70	ug/Kg	4/15/2024	13:41
Chloroethane	< 9.70	ug/Kg	4/15/2024	13:41
Chloroform	< 9.70	ug/Kg	4/15/2024	13:41
Chloromethane	< 9.70	ug/Kg	4/15/2024	13:41
cis-1,2-Dichloroethene	< 9.70	ug/Kg	4/15/2024	13:41
cis-1,3-Dichloropropene	< 9.70	ug/Kg	4/15/2024	13:41
Cyclohexane	< 48.5	ug/Kg	4/15/2024	13:41
Dibromochloromethane	< 9.70	ug/Kg	4/15/2024	13:41
Dichlorodifluoromethane	< 9.70	ug/Kg	4/15/2024	13:41
Ethylbenzene	< 9.70	ug/Kg	4/15/2024	13:41
Freon 113	< 9.70	ug/Kg	4/15/2024	13:41
Isopropylbenzene	< 9.70	ug/Kg	4/15/2024	13:41
m,p-Xylene	< 9.70	ug/Kg	4/15/2024	13:41
Methyl acetate	< 9.70	ug/Kg	4/15/2024	13:41
Methyl tert-butyl Ether	< 9.70	ug/Kg	4/15/2024	13:41
Methylcyclohexane	< 9.70	ug/Kg	4/15/2024	13:41
Methylene chloride	< 24.3	ug/Kg	4/15/2024	13:41
Naphthalene	< 24.3	ug/Kg	4/15/2024	13:41
n-Butylbenzene	< 9.70	ug/Kg	4/15/2024	13:41
n-Propylbenzene	< 9.70	ug/Kg	4/15/2024	13:41
o-Xylene	< 9.70	ug/Kg	4/15/2024	13:41
p-Isopropyltoluene	< 9.70	ug/Kg	4/15/2024	13:41
sec-Butylbenzene	< 9.70	ug/Kg	4/15/2024	13:41
Styrene	< 24.3	ug/Kg	4/15/2024	13:41
tert-Butylbenzene	< 9.70	ug/Kg	4/15/2024	13:41
Tetrachloroethene	< 9.70	ug/Kg	4/15/2024	13:41
Toluene	< 9.70	ug/Kg	4/15/2024	13:41
trans-1,2-Dichloroethene	< 9.70	ug/Kg	4/15/2024	13:41
trans-1,3-Dichloropropene	< 9.70	ug/Kg	4/15/2024	13:41

Trichloroethene	< 9.70	ug/Kg	4/15/2024	13:41

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: BH-5
Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024 9:40
Matrix: Soil **Date Received** 4/10/2024

Trichlorofluoromethane	< 9.70	ug/Kg			4/15/2024 13:41
Vinyl chloride	< 9.70	ug/Kg			4/15/2024 13:41

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	72.3 - 128		4/15/2024 13:41
4-Bromofluorobenzene	**95.7**	70 - 123		4/15/2024 13:41
Pentafluorobenzene	**99.5**	80.7 - 124		4/15/2024 13:41
Toluene-D8	**98.8**	82.1 - 121		4/15/2024 13:41

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

Data File: z23575.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: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier:	MW-3		
Lab Sample ID:	241564-02	**Date Sampled:** 4/9/2024	11:05
Matrix:	Soil	**Date Received** 4/10/2024	

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0318**	mg/Kg		4/16/2024 09:12

Method Reference(s): EPA 7471B
Preparation Date: 4/15/2024
Data File: Hg240416A

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**21.8**	mg/Kg		4/15/2024 07:43
Barium	**91.6**	mg/Kg		4/15/2024 07:43
Cadmium	**1.74**	mg/Kg		4/15/2024 07:43
Chromium	**479**	mg/Kg		4/15/2024 07:43
Lead	**82.0**	mg/Kg		4/15/2024 07:43
Selenium	**6.37**	mg/Kg		4/15/2024 07:43
Silver	**0.625**	mg/Kg		4/15/2024 07:43

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 4/11/2024
Data File: 240415A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.156	mg/Kg		4/12/2024 00:48
PCB-1221	< 0.156	mg/Kg		4/12/2024 00:48
PCB-1232	< 0.156	mg/Kg		4/12/2024 00:48
PCB-1242	< 0.156	mg/Kg		4/12/2024 00:48

PCB-1248	< 0.156	mg/Kg	4/12/2024	00:48
PCB-1254	**0.439**	mg/Kg	4/12/2024	00:48
PCB-1260	< 0.156	mg/Kg	4/12/2024	00:48
PCB-1262	< 0.156	mg/Kg	4/12/2024	00:48
PCB-1268	< 0.156	mg/Kg	4/12/2024	00:48

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241564-02 **Date Sampled:** 4/9/2024 11:05
Matrix: Soil **Date Received** 4/10/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**62.2**	10 - 110		4/12/2024 00:48

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 4/11/2024

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 318	ug/Kg		4/12/2024 15:55
1,2,4,5-Tetrachlorobenzene	< 318	ug/Kg		4/12/2024 15:55
1,2,4-Trichlorobenzene	< 318	ug/Kg		4/12/2024 15:55
1,2-Dichlorobenzene	< 318	ug/Kg		4/12/2024 15:55
1,3-Dichlorobenzene	< 318	ug/Kg		4/12/2024 15:55
1,4-Dichlorobenzene	< 318	ug/Kg		4/12/2024 15:55
2,2-Oxybis (1-chloropropane)	< 318	ug/Kg		4/12/2024 15:55
2,3,4,6-Tetrachlorophenol	< 318	ug/Kg		4/12/2024 15:55
2,4,5-Trichlorophenol	< 318	ug/Kg		4/12/2024 15:55
2,4,6-Trichlorophenol	< 318	ug/Kg		4/12/2024 15:55
2,4-Dichlorophenol	< 318	ug/Kg		4/12/2024 15:55
2,4-Dimethylphenol	< 318	ug/Kg		4/12/2024 15:55
2,4-Dinitrophenol	< 1270	ug/Kg		4/12/2024 15:55
2,4-Dinitrotoluene	< 318	ug/Kg		4/12/2024 15:55
2,6-Dinitrotoluene	< 318	ug/Kg		4/12/2024 15:55
2-Chloronaphthalene	< 318	ug/Kg		4/12/2024 15:55
2-Chlorophenol	< 318	ug/Kg		4/12/2024 15:55
2-Methylnapthalene	< 318	ug/Kg		4/12/2024 15:55
2-Methylphenol	< 318	ug/Kg		4/12/2024 15:55
2-Nitroaniline	< 318	ug/Kg		4/12/2024 15:55

2-Nitrophenol	< 318	ug/Kg	4/12/2024	15:55
3&4-Methylphenol	< 318	ug/Kg	4/12/2024	15:55
3,3'-Dichlorobenzidine	< 318	ug/Kg	4/12/2024	15:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241564-02 **Date Sampled:** 4/9/2024 11:05
Matrix: Soil **Date Received** 4/10/2024

3-Nitroaniline	< 318	ug/Kg	4/12/2024	15:55
4,6-Dinitro-2-methylphenol	< 636	ug/Kg	4/12/2024	15:55
4-Bromophenyl phenyl ether	< 318	ug/Kg	4/12/2024	15:55
4-Chloro-3-methylphenol	< 318	ug/Kg	4/12/2024	15:55
4-Chloroaniline	< 318	ug/Kg	4/12/2024	15:55
4-Chlorophenyl phenyl ether	< 318	ug/Kg	4/12/2024	15:55
4-Nitroaniline	< 318	ug/Kg	4/12/2024	15:55
4-Nitrophenol	< 318	ug/Kg	4/12/2024	15:55
Acenaphthene	< 318	ug/Kg	4/12/2024	15:55
Acenaphthylene	< 318	ug/Kg	4/12/2024	15:55
Acetophenone	< 318	ug/Kg	4/12/2024	15:55
Anthracene	< 318	ug/Kg	4/12/2024	15:55
Atrazine	< 318	ug/Kg	4/12/2024	15:55
Benzaldehyde	< 318	ug/Kg	4/12/2024	15:55
Benzo (a) anthracene	< 318	ug/Kg	4/12/2024	15:55
Benzo (a) pyrene	< 318	ug/Kg	4/12/2024	15:55
Benzo (b) fluoranthene	< 318	ug/Kg	4/12/2024	15:55
Benzo (g,h,i) perylene	< 318	ug/Kg	4/12/2024	15:55
Benzo (k) fluoranthene	< 318	ug/Kg	4/12/2024	15:55
Bis (2-chloroethoxy) methane	< 318	ug/Kg	4/12/2024	15:55
Bis (2-chloroethyl) ether	< 318	ug/Kg	4/12/2024	15:55
Bis (2-ethylhexyl) phthalate	< 318	ug/Kg	4/12/2024	15:55
Butylbenzylphthalate	< 318	ug/Kg	4/12/2024	15:55
Caprolactam	< 318	ug/Kg	4/12/2024	15:55
Carbazole	< 318	ug/Kg	4/12/2024	15:55
Chrysene	< 318	ug/Kg	4/12/2024	15:55
Dibenz (a,h) anthracene	< 318	ug/Kg	4/12/2024	15:55
Dibenzofuran	< 318	ug/Kg	4/12/2024	15:55
Diethyl phthalate	< 318	ug/Kg	4/12/2024	15:55

Dimethyl phthalate	< 318	ug/Kg	4/12/2024	15:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241564-02 **Date Sampled:** 4/9/2024 11:05
Matrix: Soil **Date Received** 4/10/2024

Di-n-butyl phthalate	< 318	ug/Kg	4/12/2024	15:55
Di-n-octylphthalate	< 318	ug/Kg	4/12/2024	15:55
Fluoranthene	**325**	ug/Kg	4/12/2024	15:55
Fluorene	< 318	ug/Kg	4/12/2024	15:55
Hexachlorobenzene	< 318	ug/Kg	4/12/2024	15:55
Hexachlorobutadiene	< 318	ug/Kg	4/12/2024	15:55
Hexachlorocyclopentadiene	< 1270	ug/Kg	4/12/2024	15:55
Hexachloroethane	< 318	ug/Kg	4/12/2024	15:55
Indeno (1,2,3-cd) pyrene	**698**	ug/Kg	4/12/2024	15:55
Isophorone	< 318	ug/Kg	4/12/2024	15:55
Naphthalene	< 318	ug/Kg	4/12/2024	15:55
Nitrobenzene	< 318	ug/Kg	4/12/2024	15:55
N-Nitroso-di-n-propylamine	< 318	ug/Kg	4/12/2024	15:55
N-Nitrosodiphenylamine	< 318	ug/Kg	4/12/2024	15:55
Pentachlorophenol	< 636	ug/Kg	4/12/2024	15:55
Phenanthrene	< 318	ug/Kg	4/12/2024	15:55
Phenol	< 318	ug/Kg	4/12/2024	15:55
Pyrene	**347**	ug/Kg	4/12/2024	15:55

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**7.20**	35.1 - 95.9	*	4/12/2024	15:55
2-Fluorobiphenyl	**37.1**	10 - 156		4/12/2024	15:55
2-Fluorophenol	**19.9**	36 - 81.3	*	4/12/2024	15:55
Nitrobenzene-d5	**27.1**	31.5 - 83.8	*	4/12/2024	15:55
Phenol-d5	**28.0**	37.7 - 84	*	4/12/2024	15:55
Terphenyl-d14	**53.3**	40.5 - 99.5		4/12/2024	15:55

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 4/12/2024
Data File: B70816.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241564-02 **Date Sampled:** 4/9/2024 11:05
Matrix: Soil **Date Received** 4/10/2024

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.88	ug/Kg		4/15/2024 14:01
1,1,2,2-Tetrachloroethane	< 7.88	ug/Kg		4/15/2024 14:01
1,1,2-Trichloroethane	< 7.88	ug/Kg		4/15/2024 14:01
1,1-Dichloroethane	< 7.88	ug/Kg		4/15/2024 14:01
1,1-Dichloroethene	< 7.88	ug/Kg		4/15/2024 14:01
1,2,3-Trichlorobenzene	< 19.7	ug/Kg		4/15/2024 14:01
1,2,4-Trichlorobenzene	< 19.7	ug/Kg		4/15/2024 14:01
1,2,4-Trimethylbenzene	< 7.88	ug/Kg		4/15/2024 14:01
1,2-Dibromo-3-Chloropropane	< 39.4	ug/Kg		4/15/2024 14:01
1,2-Dibromoethane	< 7.88	ug/Kg		4/15/2024 14:01
1,2-Dichlorobenzene	< 7.88	ug/Kg		4/15/2024 14:01
1,2-Dichloroethane	< 7.88	ug/Kg		4/15/2024 14:01
1,2-Dichloropropane	< 7.88	ug/Kg		4/15/2024 14:01
1,3,5-Trimethylbenzene	< 7.88	ug/Kg		4/15/2024 14:01
1,3-Dichlorobenzene	< 7.88	ug/Kg		4/15/2024 14:01
1,4-Dichlorobenzene	< 7.88	ug/Kg		4/15/2024 14:01
1,4-Dioxane	< 39.4	ug/Kg		4/15/2024 14:01
2-Butanone	< 39.4	ug/Kg		4/15/2024 14:01
2-Hexanone	< 19.7	ug/Kg		4/15/2024 14:01
4-Methyl-2-pentanone	< 19.7	ug/Kg		4/15/2024 14:01
Acetone	< 39.4	ug/Kg		4/15/2024 14:01
Benzene	< 7.88	ug/Kg		4/15/2024 14:01
Bromochloromethane	< 19.7	ug/Kg		4/15/2024 14:01
Bromodichloromethane	< 7.88	ug/Kg		4/15/2024 14:01
Bromoform	< 19.7	ug/Kg		4/15/2024 14:01
Bromomethane	< 7.88	ug/Kg		4/15/2024 14:01

Carbon disulfide	< 7.88	ug/Kg	4/15/2024	14:01
Carbon Tetrachloride	< 7.88	ug/Kg	4/15/2024	14:01

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241564-02 **Date Sampled:** 4/9/2024 11:05
Matrix: Soil **Date Received** 4/10/2024

Chlorobenzene	< 7.88	ug/Kg	4/15/2024	14:01
Chloroethane	< 7.88	ug/Kg	4/15/2024	14:01
Chloroform	< 7.88	ug/Kg	4/15/2024	14:01
Chloromethane	< 7.88	ug/Kg	4/15/2024	14:01
cis-1,2-Dichloroethene	< 7.88	ug/Kg	4/15/2024	14:01
cis-1,3-Dichloropropene	< 7.88	ug/Kg	4/15/2024	14:01
Cyclohexane	< 39.4	ug/Kg	4/15/2024	14:01
Dibromochloromethane	< 7.88	ug/Kg	4/15/2024	14:01
Dichlorodifluoromethane	< 7.88	ug/Kg	4/15/2024	14:01
Ethylbenzene	< 7.88	ug/Kg	4/15/2024	14:01
Freon 113	< 7.88	ug/Kg	4/15/2024	14:01
Isopropylbenzene	< 7.88	ug/Kg	4/15/2024	14:01
m,p-Xylene	< 7.88	ug/Kg	4/15/2024	14:01
Methyl acetate	< 7.88	ug/Kg	4/15/2024	14:01
Methyl tert-butyl Ether	< 7.88	ug/Kg	4/15/2024	14:01
Methylcyclohexane	< 7.88	ug/Kg	4/15/2024	14:01
Methylene chloride	< 19.7	ug/Kg	4/15/2024	14:01
Naphthalene	< 19.7	ug/Kg	4/15/2024	14:01
n-Butylbenzene	< 7.88	ug/Kg	4/15/2024	14:01
n-Propylbenzene	< 7.88	ug/Kg	4/15/2024	14:01
o-Xylene	< 7.88	ug/Kg	4/15/2024	14:01
p-Isopropyltoluene	< 7.88	ug/Kg	4/15/2024	14:01
sec-Butylbenzene	< 7.88	ug/Kg	4/15/2024	14:01
Styrene	< 19.7	ug/Kg	4/15/2024	14:01
tert-Butylbenzene	< 7.88	ug/Kg	4/15/2024	14:01
Tetrachloroethene	< 7.88	ug/Kg	4/15/2024	14:01
Toluene	< 7.88	ug/Kg	4/15/2024	14:01
trans-1,2-Dichloroethene	< 7.88	ug/Kg	4/15/2024	14:01
trans-1,3-Dichloropropene	< 7.88	ug/Kg	4/15/2024	14:01

Trichloroethene	**11.0**	ug/Kg	4/15/2024	14:01

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241564

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241564-02 **Date Sampled:** 4/9/2024 11:05
Matrix: Soil **Date Received** 4/10/2024

Trichlorofluoromethane	< 7.88	ug/Kg			4/15/2024 14:01
Vinyl chloride	< 7.88	ug/Kg			4/15/2024 14:01

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	72.3 - 128		4/15/2024 14:01
4-Bromofluorobenzene	**83.6**	70 - 123		4/15/2024 14:01
Pentafluorobenzene	**101**	80.7 - 124		4/15/2024 14:01
Toluene-D8	**97.1**	82.1 - 121		4/15/2024 14:01

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

Data File: z23576.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.

Method Blank Report

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Lab Project ID: 241564

Matrix: Soil

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	<0.00723	mg/Kg		4/16/2024 08:57

Method Reference(s): EPA 7471B
Preparation Date: 4/15/2024
Data File: Hg240416A
QC Batch ID: QC240415Hgsoil

QC Number: Blk 1

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Lab Project ID: 241564

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	0.0742	0.0791	mg/Kg	0.0720	0.0766	97.1	96.9	80 - 120			0.234	20		4/16/2024

Method Reference(s): EPA 7471B
Preparation Date: 4/15/2024
Data File: Hg240416A
QC Number: 1
QC Batch ID: QC240415Hgsoil

compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Sample Spike and Sample Duplicate

Client: **Ravi Engineering & Land Surveying, P.C.** **Lab Project ID:** 241564

Project Reference: 631 Northland

Lab Sample ID: 241564-01 **Date Sampled:** 4/9/2024
Sample Identifier: BH-5 **Date Received:** 4/10/2024
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	**0.106**	mg/Kg	0.105	0.162	53.3	75 - 125	*	0.121	13.4	20		4/16/2024

Method Reference(s): EPA 7471B
Preparation Date: 4/15/2024
Hg240416A
QC Batch ID: QC240415Hgsoil

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.

Report Prepared Wednesday, April 17, 2024

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, resultin 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

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CHAIN OF CUSTODY

PARADIGM

ENVIRONMENTAL SERVICES

REPORT TO:

INVOICE TO:

COMPANY: \Z "-	COMPANY: **SAME**	21rrg(j)
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	Quotation#: M _<:.V\ I
PHONE: FAX:	PHONE: FAX:	Email:
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PROJECT REFERENCE

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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 CODE	NUMBER OF CONTAINERS							REMARKS	PARADIGM LAB SAMPLE NUMBER
c..\-9 4	c'i;...fo	--\(Y\		XA\.-\-5	<;o	al,	J		11,l				'h:...th 'D-\v-\. l'-::;i l'Vl.alPs-	01
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Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	est'	None Required	d	None Required	5Zf'
10 day	D	Batch QC	D	Basic EDD	D
Rush 3 day	D	Category A	D	NYSDEC EDD	D
Rush 2 day	D	Category B	D		
Rush 1 day	☐				
Other (please indicate date needed:)	D	Other (please indicate package needed:)	D	Other EDD (Please indicate EDD needed:)	D

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Sampled By — Date/Time — Total Cost: D

Relinquished By: 1-lq 4Jy- 1 \: lJo l 91.E. — Date/Time

Received By: 4 l n 24 1Vt 11 — Date/Time ☐

Received @ Lab By: tu cA 41 tol iJt ll 4$

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

See additional page for sample conditions.

2 of 2

PARADIGM

Chain o,.f Custody Supplement

Client: Ran

Lab Project ID: 14\ 5(.p.it

Completed by: [signature]

Date: 4/10/[illegible]

Sample Condition Requirements

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

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	NIA
Container Type		☑ 5035	
Comments			
Transferred to method-compliant container			
Headspace (<1 mL)			
Comments			
Preservation			z vr
Comments			
Chlorine Absent (<0.10 ppm per test strip)			☑
Comments			
Holding Time	:::b		
Comments			
Temperature	| J2:? |		☑ Metals (except Hg)
Comments	((:){ -Jr J		
Compliant Sample Quantity/Type	2f		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Ravi Engineering & Land Surveying, P.C.

For Lab Project ID

241584

Referencing

631 Northland Ave Buffalo NY

Prepared

Wednesday, April 17, 2024

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241584

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland Ave Buffalo NY

Sample Identifier: BH2-2'-3'
Lab Sample ID: 241584-01 **Date Sampled:** 4/10/2024 10:00
Matrix: Soil **Date Received** 4/10/2024

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0382**	mg/Kg		4/16/2024 09:16

Method Reference(s): EPA 7471B
Preparation Date: 4/15/2024
Data File: Hg240416A

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**8.07**	mg/Kg		4/15/2024 07:49
Barium	**160**	mg/Kg		4/15/2024 07:49
Cadmium	**1.06**	mg/Kg		4/15/2024 07:49
Chromium	**29.3**	mg/Kg		4/15/2024 07:49
Lead	**15.5**	mg/Kg		4/15/2024 07:49
Selenium	< 1.26	mg/Kg		4/15/2024 07:49
Silver	< 0.628	mg/Kg		4/15/2024 07:49

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 4/11/2024
Data File: 240415A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1221	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1232	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1242	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1248	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1254	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1260	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1262	< 0.169	mg/Kg		4/12/2024 01:01
PCB-1268	< 0.169	mg/Kg		4/12/2024 01:01

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241584

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland Ave Buffalo NY

Sample Identifier: BH2-2'-3'
Lab Sample ID: 241584-01 **Date Sampled:** 4/10/2024 10:00
Matrix: Soil **Date Received** 4/10/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**40.9**	10 - 110		4/12/2024 01:01

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 4/11/2024

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 347	ug/Kg		4/12/2024 16:25
1,2,4,5-Tetrachlorobenzene	< 347	ug/Kg		4/12/2024 16:25
1,2,4-Trichlorobenzene	< 347	ug/Kg		4/12/2024 16:25
1,2-Dichlorobenzene	< 347	ug/Kg		4/12/2024 16:25
1,3-Dichlorobenzene	< 347	ug/Kg		4/12/2024 16:25
1,4-Dichlorobenzene	< 347	ug/Kg		4/12/2024 16:25
2,2-Oxybis (1-chloropropane)	< 347	ug/Kg		4/12/2024 16:25
2,3,4,6-Tetrachlorophenol	< 347	ug/Kg		4/12/2024 16:25
2,4,5-Trichlorophenol	< 347	ug/Kg		4/12/2024 16:25
2,4,6-Trichlorophenol	< 347	ug/Kg		4/12/2024 16:25
2,4-Dichlorophenol	< 347	ug/Kg		4/12/2024 16:25
2,4-Dimethylphenol	< 347	ug/Kg		4/12/2024 16:25
2,4-Dinitrophenol	< 1390	ug/Kg		4/12/2024 16:25
2,4-Dinitrotoluene	< 347	ug/Kg		4/12/2024 16:25
2,6-Dinitrotoluene	< 347	ug/Kg		4/12/2024 16:25
2-Chloronaphthalene	< 347	ug/Kg		4/12/2024 16:25
2-Chlorophenol	< 347	ug/Kg		4/12/2024 16:25
2-Methylnapthalene	< 347	ug/Kg		4/12/2024 16:25
2-Methylphenol	< 347	ug/Kg		4/12/2024 16:25
2-Nitroaniline	< 347	ug/Kg		4/12/2024 16:25
2-Nitrophenol	< 347	ug/Kg		4/12/2024 16:25
3&4-Methylphenol	< 347	ug/Kg		4/12/2024 16:25
3,3'-Dichlorobenzidine	< 347	ug/Kg		4/12/2024 16:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241584

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland Ave Buffalo NY

Sample Identifier: BH2-2'-3'
Lab Sample ID: 241584-01 **Date Sampled:** 4/10/2024 10:00
Matrix: Soil **Date Received** 4/10/2024

3-Nitroaniline	< 347	ug/Kg	4/12/2024 16:25
4,6-Dinitro-2-methylphenol	< 694	ug/Kg	4/12/2024 16:25
4-Bromophenyl phenyl ether	< 347	ug/Kg	4/12/2024 16:25
4-Chloro-3-methylphenol	< 347	ug/Kg	4/12/2024 16:25
4-Chloroaniline	< 347	ug/Kg	4/12/2024 16:25
4-Chlorophenyl phenyl ether	< 347	ug/Kg	4/12/2024 16:25
4-Nitroaniline	< 347	ug/Kg	4/12/2024 16:25
4-Nitrophenol	< 347	ug/Kg	4/12/2024 16:25
Acenaphthene	< 347	ug/Kg	4/12/2024 16:25
Acenaphthylene	< 347	ug/Kg	4/12/2024 16:25
Acetophenone	< 347	ug/Kg	4/12/2024 16:25
Anthracene	< 347	ug/Kg	4/12/2024 16:25
Atrazine	< 347	ug/Kg	4/12/2024 16:25
Benzaldehyde	< 347	ug/Kg	4/12/2024 16:25
Benzo (a) anthracene	< 347	ug/Kg	4/12/2024 16:25
Benzo (a) pyrene	< 347	ug/Kg	4/12/2024 16:25
Benzo (b) fluoranthene	< 347	ug/Kg	4/12/2024 16:25
Benzo (g,h,i) perylene	< 347	ug/Kg	4/12/2024 16:25
Benzo (k) fluoranthene	< 347	ug/Kg	4/12/2024 16:25
Bis (2-chloroethoxy) methane	< 347	ug/Kg	4/12/2024 16:25
Bis (2-chloroethyl) ether	< 347	ug/Kg	4/12/2024 16:25
Bis (2-ethylhexyl) phthalate	< 347	ug/Kg	4/12/2024 16:25
Butylbenzylphthalate	< 347	ug/Kg	4/12/2024 16:25
Caprolactam	< 347	ug/Kg	4/12/2024 16:25
Carbazole	< 347	ug/Kg	4/12/2024 16:25
Chrysene	< 347	ug/Kg	4/12/2024 16:25
Dibenz (a,h) anthracene	< 347	ug/Kg	4/12/2024 16:25
Dibenzofuran	< 347	ug/Kg	4/12/2024 16:25
Diethyl phthalate	< 347	ug/Kg	4/12/2024 16:25
Dimethyl phthalate	< 347	ug/Kg	4/12/2024 16:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241584

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland Ave Buffalo NY

Sample Identifier: BH2-2'-3'
Lab Sample ID: 241584-01 **Date Sampled:** 4/10/2024 10:00
Matrix: Soil **Date Received** 4/10/2024

Di-n-butyl phthalate	< 347	ug/Kg	4/12/2024	16:25
Di-n-octylphthalate	< 347	ug/Kg	4/12/2024	16:25
Fluoranthene	< 347	ug/Kg	4/12/2024	16:25
Fluorene	< 347	ug/Kg	4/12/2024	16:25
Hexachlorobenzene	< 347	ug/Kg	4/12/2024	16:25
Hexachlorobutadiene	< 347	ug/Kg	4/12/2024	16:25
Hexachlorocyclopentadiene	< 1390	ug/Kg	4/12/2024	16:25
Hexachloroethane	< 347	ug/Kg	4/12/2024	16:25
Indeno (1,2,3-cd) pyrene	< 347	ug/Kg	4/12/2024	16:25
Isophorone	< 347	ug/Kg	4/12/2024	16:25
Naphthalene	< 347	ug/Kg	4/12/2024	16:25
Nitrobenzene	< 347	ug/Kg	4/12/2024	16:25
N-Nitroso-di-n-propylamine	< 347	ug/Kg	4/12/2024	16:25
N-Nitrosodiphenylamine	< 347	ug/Kg	4/12/2024	16:25
Pentachlorophenol	< 694	ug/Kg	4/12/2024	16:25
Phenanthrene	< 347	ug/Kg	4/12/2024	16:25
Phenol	< 347	ug/Kg	4/12/2024	16:25
Pyrene	< 347	ug/Kg	4/12/2024	16:25

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**23.1**	35.1 - 95.9	*	4/12/2024	16:25
2-Fluorobiphenyl	**31.6**	10 - 156		4/12/2024	16:25
2-Fluorophenol	**34.0**	36 - 81.3	*	4/12/2024	16:25
Nitrobenzene-d5	**10.9**	31.5 - 83.8	*	4/12/2024	16:25
Phenol-d5	**29.9**	37.7 - 84	*	4/12/2024	16:25
Terphenyl-d14	**25.5**	40.5 - 99.5	*	4/12/2024	16:25

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 4/12/2024
Data File: B70817.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241584

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland Ave Buffalo NY

Sample Identifier: BH2-2'-3'
Lab Sample ID: 241584-01 **Date Sampled:** 4/10/2024 10:00
Matrix: Soil **Date Received** 4/10/2024

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.10	ug/Kg		4/15/2024 14:20
1,1,2,2-Tetrachloroethane	< 9.10	ug/Kg		4/15/2024 14:20
1,1,2-Trichloroethane	< 9.10	ug/Kg		4/15/2024 14:20
1,1-Dichloroethane	< 9.10	ug/Kg		4/15/2024 14:20
1,1-Dichloroethene	< 9.10	ug/Kg		4/15/2024 14:20
1,2,3-Trichlorobenzene	< 22.8	ug/Kg		4/15/2024 14:20
1,2,4-Trichlorobenzene	< 22.8	ug/Kg		4/15/2024 14:20
1,2,4-Trimethylbenzene	< 9.10	ug/Kg		4/15/2024 14:20
1,2-Dibromo-3-Chloropropane	< 45.5	ug/Kg		4/15/2024 14:20
1,2-Dibromoethane	< 9.10	ug/Kg		4/15/2024 14:20
1,2-Dichlorobenzene	< 9.10	ug/Kg		4/15/2024 14:20
1,2-Dichloroethane	< 9.10	ug/Kg		4/15/2024 14:20
1,2-Dichloropropane	< 9.10	ug/Kg		4/15/2024 14:20
1,3,5-Trimethylbenzene	< 9.10	ug/Kg		4/15/2024 14:20
1,3-Dichlorobenzene	< 9.10	ug/Kg		4/15/2024 14:20
1,4-Dichlorobenzene	< 9.10	ug/Kg		4/15/2024 14:20
1,4-Dioxane	< 45.5	ug/Kg		4/15/2024 14:20
2-Butanone	< 45.5	ug/Kg		4/15/2024 14:20
2-Hexanone	< 22.8	ug/Kg		4/15/2024 14:20
4-Methyl-2-pentanone	< 22.8	ug/Kg		4/15/2024 14:20
Acetone	< 45.5	ug/Kg		4/15/2024 14:20
Benzene	< 9.10	ug/Kg		4/15/2024 14:20
Bromochloromethane	< 22.8	ug/Kg		4/15/2024 14:20
Bromodichloromethane	< 9.10	ug/Kg		4/15/2024 14:20
Bromoform	< 22.8	ug/Kg		4/15/2024 14:20
Bromomethane	< 9.10	ug/Kg		4/15/2024 14:20
Carbon disulfide	< 9.10	ug/Kg		4/15/2024 14:20
Carbon Tetrachloride	< 9.10	ug/Kg		4/15/2024 14:20

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241584

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland Ave Buffalo NY

Sample Identifier: BH2-2'-3'
Lab Sample ID: 241584-01 **Date Sampled:** 4/10/2024 10:00
Matrix: Soil **Date Received** 4/10/2024

Chlorobenzene	< 9.10	ug/Kg	4/15/2024	14:20
Chloroethane	< 9.10	ug/Kg	4/15/2024	14:20
Chloroform	< 9.10	ug/Kg	4/15/2024	14:20
Chloromethane	< 9.10	ug/Kg	4/15/2024	14:20
cis-1,2-Dichloroethene	< 9.10	ug/Kg	4/15/2024	14:20
cis-1,3-Dichloropropene	< 9.10	ug/Kg	4/15/2024	14:20
Cyclohexane	< 45.5	ug/Kg	4/15/2024	14:20
Dibromochloromethane	< 9.10	ug/Kg	4/15/2024	14:20
Dichlorodifluoromethane	< 9.10	ug/Kg	4/15/2024	14:20
Ethylbenzene	< 9.10	ug/Kg	4/15/2024	14:20
Freon 113	< 9.10	ug/Kg	4/15/2024	14:20
Isopropylbenzene	< 9.10	ug/Kg	4/15/2024	14:20
m,p-Xylene	< 9.10	ug/Kg	4/15/2024	14:20
Methyl acetate	< 9.10	ug/Kg	4/15/2024	14:20
Methyl tert-butyl Ether	< 9.10	ug/Kg	4/15/2024	14:20
Methylcyclohexane	< 9.10	ug/Kg	4/15/2024	14:20
Methylene chloride	< 22.8	ug/Kg	4/15/2024	14:20
Naphthalene	< 22.8	ug/Kg	4/15/2024	14:20
n-Butylbenzene	< 9.10	ug/Kg	4/15/2024	14:20
n-Propylbenzene	< 9.10	ug/Kg	4/15/2024	14:20
o-Xylene	< 9.10	ug/Kg	4/15/2024	14:20
p-Isopropyltoluene	< 9.10	ug/Kg	4/15/2024	14:20
sec-Butylbenzene	< 9.10	ug/Kg	4/15/2024	14:20
Styrene	< 22.8	ug/Kg	4/15/2024	14:20
tert-Butylbenzene	< 9.10	ug/Kg	4/15/2024	14:20
Tetrachloroethene	< 9.10	ug/Kg	4/15/2024	14:20
Toluene	< 9.10	ug/Kg	4/15/2024	14:20
trans-1,2-Dichloroethene	< 9.10	ug/Kg	4/15/2024	14:20
trans-1,3-Dichloropropene	< 9.10	ug/Kg	4/15/2024	14:20
Trichloroethene	< 9.10	ug/Kg	4/15/2024	14:20

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241584

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland Ave Buffalo NY

Sample Identifier: BH2-2'-3'
Lab Sample ID: 241584-01 **Date Sampled:** 4/10/2024 10:00
Matrix: Soil **Date Received** 4/10/2024

Trichlorofluoromethane	< 9.10	ug/Kg		4/15/2024 14:20
Vinyl chloride	< 9.10	ug/Kg		4/15/2024 14:20

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**96.2**	72.3 - 128		4/15/2024 14:20
4-Bromofluorobenzene	**91.6**	70 - 123		4/15/2024 14:20
Pentafluorobenzene	**94.8**	80.7 - 124		4/15/2024 14:20
Toluene-D8	**95.7**	82.1 - 121		4/15/2024 14:20

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: z23577.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.

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, resultin 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

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CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES

REPORT TO:	INVOICE TO:	
COMPANY: [illegible]	COMPANY: SAME	LAB PROJECT ID 741514
ADDRESS: [illegible]	ADDRESS:	Quotation #: [illegible]
CITY: [illegible] STATE: ZIP:	CITY: STATE: ZIP:	Email: [illegible]
PHONE: [illegible] FAX:	PHONE: FAX:	
ATTN: Lynn [illegible]	ATTN:	

PROJECT REFERENCE: [illegible] North [illegible] Ny

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									REMARKS	PARADIGM LAB SAMPLE NUMBER
4/10/24	10 IV		V	[illegible] 2	SO	>-		X			X		y			01

Turnaround Time	Report Supplements	
Availability contingent upon lab approval; additional fees may apply.		
Standard 5 day	None Required ☐	None Required ☐
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:

Sampled By: [illegible] Date/Time: [illegible]

Relinquished By: PM Date/Time: 4/10/24 [illegible]

Received By: [signature] Date/Time: 4/10/24

Received @ Lab By: [signature] Date/Time: 4/10/24 1014

By [illegible] (see reverse side).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: RAVI

Lab Project ID: 241584

Completed by:

Date: 4/10/2024

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		☒ 5035	
Comments			
Transferred to method-compliant container			☒
Headspace (<1 mL)			
Comments			
Preservation			
Comments			
Chlorine Absent (<0.10 ppm per test strip)			1;?1
Comments			
Holding Time	;,±---51		
Comments			
Temperature		☒	☒ metals (except Hg)
Comments	16.2°C		
Compliant Sample Quantity/Type	☒		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Ravi Engineering & Land Surveying, P.C.

For Lab Project ID

241607

Referencing

631 Northland

Prepared

Thursday, April 18, 2024

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241607

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024 9:30
Matrix: Soil **Date Received** 4/11/2024

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0752**	mg/Kg		4/16/2024 09:22

Method Reference(s): EPA 7471B
Preparation Date: 4/15/2024
Data File: Hg240416A

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**4.32**	mg/Kg		4/16/2024 07:12
Barium	**111**	mg/Kg		4/16/2024 07:12
Cadmium	**1.05**	mg/Kg		4/16/2024 07:12
Chromium	**17.9**	mg/Kg		4/16/2024 07:12
Lead	**27.5**	mg/Kg		4/16/2024 07:12
Selenium	**2.52**	mg/Kg	M	4/16/2024 07:12
Silver	< 0.570	mg/Kg		4/16/2024 07:12

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 4/12/2024
Data File: 240416A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1221	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1232	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1242	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1248	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1254	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1260	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1262	< 0.155	mg/Kg		4/16/2024 05:06
PCB-1268	< 0.155	mg/Kg		4/16/2024 05:06

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241607

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024 9:30
Matrix: Soil **Date Received** 4/11/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**62.9**	10 - 110		4/16/2024 05:06

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 4/15/2024

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 323	ug/Kg		4/12/2024 16:56
1,2,4,5-Tetrachlorobenzene	< 323	ug/Kg		4/12/2024 16:56
1,2,4-Trichlorobenzene	< 323	ug/Kg		4/12/2024 16:56
1,2-Dichlorobenzene	< 323	ug/Kg		4/12/2024 16:56
1,3-Dichlorobenzene	< 323	ug/Kg		4/12/2024 16:56
1,4-Dichlorobenzene	< 323	ug/Kg		4/12/2024 16:56
2,2-Oxybis (1-chloropropane)	< 323	ug/Kg		4/12/2024 16:56
2,3,4,6-Tetrachlorophenol	< 323	ug/Kg		4/12/2024 16:56
2,4,5-Trichlorophenol	< 323	ug/Kg		4/12/2024 16:56
2,4,6-Trichlorophenol	< 323	ug/Kg		4/12/2024 16:56
2,4-Dichlorophenol	< 323	ug/Kg		4/12/2024 16:56
2,4-Dimethylphenol	< 323	ug/Kg		4/12/2024 16:56
2,4-Dinitrophenol	< 1290	ug/Kg		4/12/2024 16:56
2,4-Dinitrotoluene	< 323	ug/Kg		4/12/2024 16:56
2,6-Dinitrotoluene	< 323	ug/Kg		4/12/2024 16:56
2-Chloronaphthalene	< 323	ug/Kg		4/12/2024 16:56
2-Chlorophenol	< 323	ug/Kg		4/12/2024 16:56
2-Methylnapthalene	< 323	ug/Kg		4/12/2024 16:56
2-Methylphenol	< 323	ug/Kg		4/12/2024 16:56
2-Nitroaniline	< 323	ug/Kg		4/12/2024 16:56
2-Nitrophenol	< 323	ug/Kg		4/12/2024 16:56
3&4-Methylphenol	< 323	ug/Kg		4/12/2024 16:56
3,3'-Dichlorobenzidine	< 323	ug/Kg		4/12/2024 16:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241607

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024 9:30
Matrix: Soil **Date Received** 4/11/2024

3-Nitroaniline	< 323	ug/Kg	4/12/2024 16:56
4,6-Dinitro-2-methylphenol	< 647	ug/Kg	4/12/2024 16:56
4-Bromophenyl phenyl ether	< 323	ug/Kg	4/12/2024 16:56
4-Chloro-3-methylphenol	< 323	ug/Kg	4/12/2024 16:56
4-Chloroaniline	< 323	ug/Kg	4/12/2024 16:56
4-Chlorophenyl phenyl ether	< 323	ug/Kg	4/12/2024 16:56
4-Nitroaniline	< 323	ug/Kg	4/12/2024 16:56
4-Nitrophenol	< 323	ug/Kg	4/12/2024 16:56
Acenaphthene	< 323	ug/Kg	4/12/2024 16:56
Acenaphthylene	< 323	ug/Kg	4/12/2024 16:56
Acetophenone	< 323	ug/Kg	4/12/2024 16:56
Anthracene	< 323	ug/Kg	4/12/2024 16:56
Atrazine	< 323	ug/Kg	4/12/2024 16:56
Benzaldehyde	< 323	ug/Kg	4/12/2024 16:56
Benzo (a) anthracene	< 323	ug/Kg	4/12/2024 16:56
Benzo (a) pyrene	< 323	ug/Kg	4/12/2024 16:56
Benzo (b) fluoranthene	< 323	ug/Kg	4/12/2024 16:56
Benzo (g,h,i) perylene	< 323	ug/Kg	4/12/2024 16:56
Benzo (k) fluoranthene	< 323	ug/Kg	4/12/2024 16:56
Bis (2-chloroethoxy) methane	< 323	ug/Kg	4/12/2024 16:56
Bis (2-chloroethyl) ether	< 323	ug/Kg	4/12/2024 16:56
Bis (2-ethylhexyl) phthalate	< 323	ug/Kg	4/12/2024 16:56
Butylbenzylphthalate	< 323	ug/Kg	4/12/2024 16:56
Caprolactam	< 323	ug/Kg	4/12/2024 16:56
Carbazole	< 323	ug/Kg	4/12/2024 16:56
Chrysene	< 323	ug/Kg	4/12/2024 16:56
Dibenz (a,h) anthracene	< 323	ug/Kg	4/12/2024 16:56
Dibenzofuran	< 323	ug/Kg	4/12/2024 16:56
Diethyl phthalate	< 323	ug/Kg	4/12/2024 16:56
Dimethyl phthalate	< 323	ug/Kg	4/12/2024 16:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241607

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024 9:30
Matrix: Soil **Date Received** 4/11/2024

Di-n-butyl phthalate	< 323	ug/Kg	4/12/2024	16:56
Di-n-octylphthalate	< 323	ug/Kg	4/12/2024	16:56
Fluoranthene	< 323	ug/Kg	4/12/2024	16:56
Fluorene	< 323	ug/Kg	4/12/2024	16:56
Hexachlorobenzene	< 323	ug/Kg	4/12/2024	16:56
Hexachlorobutadiene	< 323	ug/Kg	4/12/2024	16:56
Hexachlorocyclopentadiene	< 1290	ug/Kg	4/12/2024	16:56
Hexachloroethane	< 323	ug/Kg	4/12/2024	16:56
Indeno (1,2,3-cd) pyrene	< 323	ug/Kg	4/12/2024	16:56
Isophorone	< 323	ug/Kg	4/12/2024	16:56
Naphthalene	< 323	ug/Kg	4/12/2024	16:56
Nitrobenzene	< 323	ug/Kg	4/12/2024	16:56
N-Nitroso-di-n-propylamine	< 323	ug/Kg	4/12/2024	16:56
N-Nitrosodiphenylamine	< 323	ug/Kg	4/12/2024	16:56
Pentachlorophenol	< 647	ug/Kg	4/12/2024	16:56
Phenanthrene	< 323	ug/Kg	4/12/2024	16:56
Phenol	< 323	ug/Kg	4/12/2024	16:56
Pyrene	< 323	ug/Kg	4/12/2024	16:56

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**34.5**	35.1 - 95.9	*	4/12/2024	16:56
2-Fluorobiphenyl	**39.7**	10 - 156		4/12/2024	16:56
2-Fluorophenol	**39.4**	36 - 81.3		4/12/2024	16:56
Nitrobenzene-d5	**38.5**	31.5 - 83.8		4/12/2024	16:56
Phenol-d5	**38.0**	37.7 - 84		4/12/2024	16:56
Terphenyl-d14	**41.6**	40.5 - 99.5		4/12/2024	16:56

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 4/12/2024
Data File: B70818.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241607

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024 9:30
Matrix: Soil **Date Received** 4/11/2024

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.48	ug/Kg		4/15/2024 14:40
1,1,2,2-Tetrachloroethane	< 8.48	ug/Kg		4/15/2024 14:40
1,1,2-Trichloroethane	< 8.48	ug/Kg		4/15/2024 14:40
1,1-Dichloroethane	< 8.48	ug/Kg		4/15/2024 14:40
1,1-Dichloroethene	< 8.48	ug/Kg		4/15/2024 14:40
1,2,3-Trichlorobenzene	< 21.2	ug/Kg		4/15/2024 14:40
1,2,4-Trichlorobenzene	< 21.2	ug/Kg		4/15/2024 14:40
1,2,4-Trimethylbenzene	< 8.48	ug/Kg		4/15/2024 14:40
1,2-Dibromo-3-Chloropropane	< 42.4	ug/Kg		4/15/2024 14:40
1,2-Dibromoethane	< 8.48	ug/Kg		4/15/2024 14:40
1,2-Dichlorobenzene	< 8.48	ug/Kg		4/15/2024 14:40
1,2-Dichloroethane	< 8.48	ug/Kg		4/15/2024 14:40
1,2-Dichloropropane	< 8.48	ug/Kg		4/15/2024 14:40
1,3,5-Trimethylbenzene	< 8.48	ug/Kg		4/15/2024 14:40
1,3-Dichlorobenzene	< 8.48	ug/Kg		4/15/2024 14:40
1,4-Dichlorobenzene	< 8.48	ug/Kg		4/15/2024 14:40
1,4-Dioxane	< 42.4	ug/Kg		4/15/2024 14:40
2-Butanone	< 42.4	ug/Kg		4/15/2024 14:40
2-Hexanone	< 21.2	ug/Kg		4/15/2024 14:40
4-Methyl-2-pentanone	< 21.2	ug/Kg		4/15/2024 14:40
Acetone	< 42.4	ug/Kg		4/15/2024 14:40
Benzene	< 8.48	ug/Kg		4/15/2024 14:40
Bromochloromethane	< 21.2	ug/Kg		4/15/2024 14:40
Bromodichloromethane	< 8.48	ug/Kg		4/15/2024 14:40
Bromoform	< 21.2	ug/Kg		4/15/2024 14:40
Bromomethane	< 8.48	ug/Kg		4/15/2024 14:40
Carbon disulfide	< 8.48	ug/Kg		4/15/2024 14:40
Carbon Tetrachloride	< 8.48	ug/Kg		4/15/2024 14:40

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241607

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024 9:30
Matrix: Soil **Date Received** 4/11/2024

Chlorobenzene	< 8.48	ug/Kg	4/15/2024	14:40
Chloroethane	< 8.48	ug/Kg	4/15/2024	14:40
Chloroform	< 8.48	ug/Kg	4/15/2024	14:40
Chloromethane	< 8.48	ug/Kg	4/15/2024	14:40
cis-1,2-Dichloroethene	< 8.48	ug/Kg	4/15/2024	14:40
cis-1,3-Dichloropropene	< 8.48	ug/Kg	4/15/2024	14:40
Cyclohexane	< 42.4	ug/Kg	4/15/2024	14:40
Dibromochloromethane	< 8.48	ug/Kg	4/15/2024	14:40
Dichlorodifluoromethane	< 8.48	ug/Kg	4/15/2024	14:40
Ethylbenzene	< 8.48	ug/Kg	4/15/2024	14:40
Freon 113	< 8.48	ug/Kg	4/15/2024	14:40
Isopropylbenzene	< 8.48	ug/Kg	4/15/2024	14:40
m,p-Xylene	< 8.48	ug/Kg	4/15/2024	14:40
Methyl acetate	< 8.48	ug/Kg	4/15/2024	14:40
Methyl tert-butyl Ether	< 8.48	ug/Kg	4/15/2024	14:40
Methylcyclohexane	< 8.48	ug/Kg	4/15/2024	14:40
Methylene chloride	< 21.2	ug/Kg	4/15/2024	14:40
Naphthalene	< 21.2	ug/Kg	4/15/2024	14:40
n-Butylbenzene	< 8.48	ug/Kg	4/15/2024	14:40
n-Propylbenzene	< 8.48	ug/Kg	4/15/2024	14:40
o-Xylene	< 8.48	ug/Kg	4/15/2024	14:40
p-Isopropyltoluene	< 8.48	ug/Kg	4/15/2024	14:40
sec-Butylbenzene	< 8.48	ug/Kg	4/15/2024	14:40
Styrene	< 21.2	ug/Kg	4/15/2024	14:40
tert-Butylbenzene	< 8.48	ug/Kg	4/15/2024	14:40
Tetrachloroethene	< 8.48	ug/Kg	4/15/2024	14:40
Toluene	< 8.48	ug/Kg	4/15/2024	14:40
trans-1,2-Dichloroethene	< 8.48	ug/Kg	4/15/2024	14:40
trans-1,3-Dichloropropene	< 8.48	ug/Kg	4/15/2024	14:40
Trichloroethene	< 8.48	ug/Kg	4/15/2024	14:40

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241607

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024 9:30
Matrix: Soil **Date Received** 4/11/2024

Trichlorofluoromethane	< 8.48	ug/Kg		4/15/2024 14:40
Vinyl chloride	< 8.48	ug/Kg		4/15/2024 14:40

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	72.3 - 128		4/15/2024 14:40
4-Bromofluorobenzene	**91.8**	70 - 123		4/15/2024 14:40
Pentafluorobenzene	**98.4**	80.7 - 124		4/15/2024 14:40
Toluene-D8	**100**	82.1 - 121		4/15/2024 14:40

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: z23578.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.

Method Blank Report

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Lab Project ID: 241607

Matrix: Soil

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed	
Arsenic	<0.459	mg/Kg		4/15/2024	10:23
Barium	<4.59	mg/Kg		4/15/2024	10:23
Cadmium	<0.229	mg/Kg		4/15/2024	10:23
Chromium	<0.459	mg/Kg		4/15/2024	10:23
Lead	<0.459	mg/Kg		4/15/2024	10:23
Selenium	<0.917	mg/Kg		4/15/2024	10:23
Silver	<0.459	mg/Kg		4/15/2024	10:23

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 4/12/2024
Data File: 240415A
QC Batch ID: QC240412soil
QC Number: Blk 1

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Lab Project ID: 241607

Matrix: Soil

RCRA Metals (ICP)

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
Arsenic	124	120	mg/Kg	125	125	101	104	80 - 120			2.92	20		4/15/2024
Barium	124	120	mg/Kg	131	130	106	108	80 - 120			1.83	20		4/15/2024
Cadmium	49.5	48.1	mg/Kg	53.1	52.6	107	109	80 - 120			1.94	20		4/15/2024
Chromium	124	120	mg/Kg	124	123	100	102	80 - 120			1.82	20		4/15/2024
Lead	124	120	mg/Kg	132	131	107	109	80 - 120			1.86	20		4/15/2024
Selenium	124	120	mg/Kg	116	117	94.0	97.6	80 - 120			3.72	20		4/15/2024
Silver	12.4	12.0	mg/Kg	12.6	12.5	102	104	80 - 120			1.79	20		4/15/2024

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 4/12/2024
Data File: 240415A
QC Number: 1
QC Batch ID: QC240412soil

Report Prepared Thursday, April 18, 2024

PARADIGM ENVIRONMENTAL SERVICES, INC.

QC Report for Sample Spike and Sample Duplicate

Client: **Ravi Engineering & Land Surveying, P.C.** **Lab Project ID:** 241607

Project Reference: 631 Northland

Lab Sample ID: 241607-01 **Date Sampled:** 4/11/2024
Sample Identifier: MW-1 **Date Received:** 4/11/2024
Matrix: Soil

RCRA Metals (ICP)

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
Arsenic	**4.32**	mg/Kg	148	125	81.8	75 - 125		3.98	8.21	20		4/16/2024
Barium	**111**	mg/Kg	148	245	90.8	75 - 125		108	3.03	20		4/16/2024
Cadmium	**1.05**	mg/Kg	59.2	47.1	77.8	75 - 125		0.999	5.36	20		4/16/2024
Chromium	**17.9**	mg/Kg	148	137	80.4	75 - 125		17.4	2.97	20		4/16/2024
Lead	**27.5**	mg/Kg	148	169	95.5	75 - 125		25.5	7.59	20		4/16/2024
Selenium	**2.52**	mg/Kg	148	113	74.9	75 - 125	*	2.18	14.5	20		4/16/2024
Silver	< 0.570	mg/Kg	14.8	14.1	95.2	75 - 125		<0.598	NC	20		4/16/2024

Method Reference(s): EPA 6010C
Preparation Date: EPA 3050B 4/12/2024
QC Batch ID: 240416A QC240412soil

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.

Report Prepared Thursday, April 18, 2024

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, resultin 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

/tJ6L

CHAIN OF CUSTODY

PA:RA-D-,1.GM
ENVIRONMENTAL SERVICES

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PROJECT REFERENCE

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

REGIUES11 2i ALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODE !s	NUMBER OF CONTAINERS	t 11 u	V	J; ,f o	j	\j			REMARKS	PARADIGM LAB SAMPLE NUMBER
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Turnaround Time	Report Supplements	
Availability contingent upon lab approval; additional fees may apply.		
Standard 5 day	None Required est{'	None Required l21'
10 day D	Batch QC D	Basic EDD ☐
Rush 3 day D	Categoiy A D	NYSDEC EDD ☐
Rush 2 day D	Categoiy B D	
Rush 1 day ☐		
Other D p1o lCltnckoto dl:|[D nl'KldOd:	Other D please indicate package needed:	Other EDD ☐ uleaae indicale EDD needed :

\J,.,,)y::\\ 1:Y:)e.J, cA\, 4-I\-cl. <,:3o
Sampled By Date/Time

Total Cost: D

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Relinquished By Date/Time

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»-qbJ 4/11

See additional page for sample conditions.

2082

PARADIGM

Chain of Custody Supplement

Client: RA VI

Lab Project ID: 241607

Completed by: [signature]

Date: 4/11/2024

Sample Condition Requirements

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

Condition	Yes	No	N/A
Container Type	VI	☒ 5035	
Comments			
Transferred to method-compliant container			k:21 7
Headspace (<1 mL)			12??1
Comments			
Preservation			:.>62
Comments			
Chlorine Absent (<0.10 ppm per teststrip)			☒
Comments			
Holding Time			
Comments			
Temperature	☒	☐	☒ metals (except Hg)
Comments	7°C Iced in Field		
Compliant Sample Quantity/Type	;u		
Comments			

NELAC compliance with the sample condition requirements upon receipt

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Ravi Engineering & Land Surveying, P.C.

For Lab Project ID

241825

Referencing

631 Northland

Prepared

Thursday, May 2, 2024

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 631 Northland

Sample Identifier:	SB-7		
Lab Sample ID:	241825-01	**Date Sampled:** 4/25/2024	11:30
Matrix:	Soil	**Date Received** 4/25/2024	

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 296	ug/Kg		4/29/2024 17:53
Acenaphthylene	< 296	ug/Kg		4/29/2024 17:53
Anthracene	< 296	ug/Kg		4/29/2024 17:53
Benzo (a) anthracene	< 296	ug/Kg		4/29/2024 17:53
Benzo (a) pyrene	< 296	ug/Kg		4/29/2024 17:53
Benzo (b) fluoranthene	< 296	ug/Kg		4/29/2024 17:53
Benzo (g,h,i) perylene	< 296	ug/Kg		4/29/2024 17:53
Benzo (k) fluoranthene	< 296	ug/Kg		4/29/2024 17:53
Chrysene	< 296	ug/Kg		4/29/2024 17:53
Dibenz (a,h) anthracene	< 296	ug/Kg		4/29/2024 17:53
Fluoranthene	< 296	ug/Kg		4/29/2024 17:53
Fluorene	< 296	ug/Kg		4/29/2024 17:53
Indeno (1,2,3-cd) pyrene	< 296	ug/Kg		4/29/2024 17:53
Naphthalene	< 296	ug/Kg		4/29/2024 17:53
Phenanthrene	< 296	ug/Kg		4/29/2024 17:53
Pyrene	< 296	ug/Kg		4/29/2024 17:53

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**74.9**	37.9 - 87.2		4/29/2024 17:53
Nitrobenzene-d5	**64.9**	33.2 - 82.1		4/29/2024 17:53
Terphenyl-d14	**83.0**	45.9 - 96		4/29/2024 17:53

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 4/26/2024
Data File: B71051.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.79	ug/Kg		4/29/2024 13:31
1,1,2,2-Tetrachloroethane	< 9.79	ug/Kg		4/29/2024 13:31

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 631 Northland

Sample Identifier: SB-7
Lab Sample ID: 241825-01 **Date Sampled:** 4/25/2024 11:30
Matrix: Soil **Date Received** 4/25/2024

1,1,2-Trichloroethane	< 9.79	ug/Kg	4/29/2024 13:31
1,1-Dichloroethane	< 9.79	ug/Kg	4/29/2024 13:31
1,1-Dichloroethene	< 9.79	ug/Kg	4/29/2024 13:31
1,2,3-Trichlorobenzene	< 24.5	ug/Kg	4/29/2024 13:31
1,2,4-Trichlorobenzene	< 24.5	ug/Kg	4/29/2024 13:31
1,2,4-Trimethylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
1,2-Dibromo-3-Chloropropane	< 48.9	ug/Kg	4/29/2024 13:31
1,2-Dibromoethane	< 9.79	ug/Kg	4/29/2024 13:31
1,2-Dichlorobenzene	< 9.79	ug/Kg	4/29/2024 13:31
1,2-Dichloroethane	< 9.79	ug/Kg	4/29/2024 13:31
1,2-Dichloropropane	< 9.79	ug/Kg	4/29/2024 13:31
1,3,5-Trimethylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
1,3-Dichlorobenzene	< 9.79	ug/Kg	4/29/2024 13:31
1,4-Dichlorobenzene	< 9.79	ug/Kg	4/29/2024 13:31
1,4-Dioxane	< 48.9	ug/Kg	4/29/2024 13:31
2-Butanone	< 48.9	ug/Kg	4/29/2024 13:31
2-Hexanone	< 24.5	ug/Kg	4/29/2024 13:31
4-Methyl-2-pentanone	< 24.5	ug/Kg	4/29/2024 13:31
Acetone	< 48.9	ug/Kg	4/29/2024 13:31
Benzene	< 9.79	ug/Kg	4/29/2024 13:31
Bromochloromethane	< 24.5	ug/Kg	4/29/2024 13:31
Bromodichloromethane	< 9.79	ug/Kg	4/29/2024 13:31
Bromoform	< 24.5	ug/Kg	4/29/2024 13:31
Bromomethane	< 9.79	ug/Kg	4/29/2024 13:31
Carbon disulfide	< 9.79	ug/Kg	4/29/2024 13:31
Carbon Tetrachloride	< 9.79	ug/Kg	4/29/2024 13:31
Chlorobenzene	< 9.79	ug/Kg	4/29/2024 13:31
Chloroethane	< 9.79	ug/Kg	4/29/2024 13:31
Chloroform	< 9.79	ug/Kg	4/29/2024 13:31
Chloromethane	< 9.79	ug/Kg	4/29/2024 13:31

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 631 Northland

Sample Identifier: SB-7
Lab Sample ID: 241825-01 **Date Sampled:** 4/25/2024 11:30
Matrix: Soil **Date Received** 4/25/2024

cis-1,2-Dichloroethene	< 9.79	ug/Kg	4/29/2024 13:31
cis-1,3-Dichloropropene	< 9.79	ug/Kg	4/29/2024 13:31
Cyclohexane	< 48.9	ug/Kg	4/29/2024 13:31
Dibromochloromethane	< 9.79	ug/Kg	4/29/2024 13:31
Dichlorodifluoromethane	< 9.79	ug/Kg	4/29/2024 13:31
Ethylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
Freon 113	< 9.79	ug/Kg	4/29/2024 13:31
Isopropylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
m,p-Xylene	**10.8**	ug/Kg	4/29/2024 13:31
Methyl acetate	< 9.79	ug/Kg	4/29/2024 13:31
Methyl tert-butyl Ether	< 9.79	ug/Kg	4/29/2024 13:31
Methylcyclohexane	**66.1**	ug/Kg	4/29/2024 13:31
Methylene chloride	< 24.5	ug/Kg	4/29/2024 13:31
Naphthalene	< 24.5	ug/Kg	4/29/2024 13:31
n-Butylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
n-Propylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
o-Xylene	< 9.79	ug/Kg	4/29/2024 13:31
p-Isopropyltoluene	< 9.79	ug/Kg	4/29/2024 13:31
sec-Butylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
Styrene	< 24.5	ug/Kg	4/29/2024 13:31
tert-Butylbenzene	< 9.79	ug/Kg	4/29/2024 13:31
Tetrachloroethene	< 9.79	ug/Kg	4/29/2024 13:31
Toluene	< 9.79	ug/Kg	4/29/2024 13:31
trans-1,2-Dichloroethene	< 9.79	ug/Kg	4/29/2024 13:31
trans-1,3-Dichloropropene	< 9.79	ug/Kg	4/29/2024 13:31
Trichloroethene	< 9.79	ug/Kg	4/29/2024 13:31
Trichlorofluoromethane	< 9.79	ug/Kg	4/29/2024 13:31
Vinyl chloride	< 9.79	ug/Kg	4/29/2024 13:31

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier:	SB-7		
Lab Sample ID:	241825-01	**Date Sampled:** 4/25/2024	11:30
Matrix:	Soil	**Date Received** 4/25/2024	

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	80.9 - 124		4/29/2024	13:31
4-Bromofluorobenzene	**101**	75.8 - 116		4/29/2024	13:31
Pentafluorobenzene	**97.0**	90.7 - 109		4/29/2024	13:31
Toluene-D8	**102**	90.1 - 109		4/29/2024	13:31

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

Data File: z23818.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: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241825-02 **Date Sampled:** 4/25/2024 12:00
Matrix: Groundwater **Date Received** 4/25/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.5	ug/L		5/1/2024 14:40
Acenaphthylene	< 10.5	ug/L		5/1/2024 14:40
Anthracene	< 10.5	ug/L		5/1/2024 14:40
Benzo (a) anthracene	< 10.5	ug/L		5/1/2024 14:40
Benzo (a) pyrene	< 10.5	ug/L		5/1/2024 14:40
Benzo (b) fluoranthene	< 10.5	ug/L		5/1/2024 14:40
Benzo (g,h,i) perylene	< 10.5	ug/L		5/1/2024 14:40
Benzo (k) fluoranthene	< 10.5	ug/L		5/1/2024 14:40
Chrysene	< 10.5	ug/L		5/1/2024 14:40
Dibenz (a,h) anthracene	< 10.5	ug/L		5/1/2024 14:40
Fluoranthene	< 10.5	ug/L		5/1/2024 14:40
Fluorene	< 10.5	ug/L		5/1/2024 14:40
Indeno (1,2,3-cd) pyrene	< 10.5	ug/L		5/1/2024 14:40
Naphthalene	< 10.5	ug/L		5/1/2024 14:40
Phenanthrene	< 10.5	ug/L		5/1/2024 14:40
Pyrene	< 10.5	ug/L		5/1/2024 14:40

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**51.2**	15.2 - 100		5/1/2024 14:40
Nitrobenzene-d5	**67.5**	47.4 - 98.9		5/1/2024 14:40
Terphenyl-d14	**83.3**	56 - 111		5/1/2024 14:40

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 4/30/2024
Data File: B71123.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/26/2024 14:38
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/26/2024 14:38

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241825-02 **Date Sampled:** 4/25/2024 12:00
Matrix: Groundwater **Date Received** 4/25/2024

1,1,2-Trichloroethane	< 2.00	ug/L	4/26/2024 14:38
1,1-Dichloroethane	< 2.00	ug/L	4/26/2024 14:38
1,1-Dichloroethene	< 2.00	ug/L	4/26/2024 14:38
1,2,3-Trichlorobenzene	< 5.00	ug/L	4/26/2024 14:38
1,2,4-Trichlorobenzene	< 5.00	ug/L	4/26/2024 14:38
1,2,4-Trimethylbenzene	< 2.00	ug/L	4/26/2024 14:38
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L	4/26/2024 14:38
1,2-Dibromoethane	< 2.00	ug/L	4/26/2024 14:38
1,2-Dichlorobenzene	< 2.00	ug/L	4/26/2024 14:38
1,2-Dichloroethane	< 2.00	ug/L	4/26/2024 14:38
1,2-Dichloropropane	< 2.00	ug/L	4/26/2024 14:38
1,3,5-Trimethylbenzene	< 2.00	ug/L	4/26/2024 14:38
1,3-Dichlorobenzene	< 2.00	ug/L	4/26/2024 14:38
1,4-Dichlorobenzene	< 2.00	ug/L	4/26/2024 14:38
1,4-Dioxane	< 20.0	ug/L	4/26/2024 14:38
2-Butanone	< 10.0	ug/L	4/26/2024 14:38
2-Hexanone	< 5.00	ug/L	4/26/2024 14:38
4-Methyl-2-pentanone	< 5.00	ug/L	4/26/2024 14:38
Acetone	< 10.0	ug/L	4/26/2024 14:38
Benzene	< 1.00	ug/L	4/26/2024 14:38
Bromochloromethane	< 5.00	ug/L	4/26/2024 14:38
Bromodichloromethane	< 2.00	ug/L	4/26/2024 14:38
Bromoform	< 5.00	ug/L	4/26/2024 14:38
Bromomethane	< 2.00	ug/L	4/26/2024 14:38
Carbon disulfide	< 2.00	ug/L	4/26/2024 14:38
Carbon Tetrachloride	< 2.00	ug/L	4/26/2024 14:38
Chlorobenzene	< 2.00	ug/L	4/26/2024 14:38
Chloroethane	< 2.00	ug/L	4/26/2024 14:38
Chloroform	< 2.00	ug/L	4/26/2024 14:38
Chloromethane	< 2.00	ug/L	4/26/2024 14:38

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241825-02 **Date Sampled:** 4/25/2024 12:00
Matrix: Groundwater **Date Received** 4/25/2024

cis-1,2-Dichloroethene	< 2.00	ug/L	4/26/2024 14:38
cis-1,3-Dichloropropene	< 2.00	ug/L	4/26/2024 14:38
Cyclohexane	< 10.0	ug/L	4/26/2024 14:38
Dibromochloromethane	< 2.00	ug/L	4/26/2024 14:38
Dichlorodifluoromethane	< 2.00	ug/L	4/26/2024 14:38
Ethylbenzene	< 2.00	ug/L	4/26/2024 14:38
Freon 113	< 2.00	ug/L	4/26/2024 14:38
Isopropylbenzene	< 2.00	ug/L	4/26/2024 14:38
m,p-Xylene	< 2.00	ug/L	4/26/2024 14:38
Methyl acetate	< 2.00	ug/L	4/26/2024 14:38
Methyl tert-butyl Ether	< 2.00	ug/L	4/26/2024 14:38
Methylcyclohexane	< 2.00	ug/L	4/26/2024 14:38
Methylene chloride	< 5.00	ug/L	4/26/2024 14:38
Naphthalene	< 5.00	ug/L	4/26/2024 14:38
n-Butylbenzene	< 2.00	ug/L	4/26/2024 14:38
n-Propylbenzene	< 2.00	ug/L	4/26/2024 14:38
o-Xylene	< 2.00	ug/L	4/26/2024 14:38
p-Isopropyltoluene	< 2.00	ug/L	4/26/2024 14:38
sec-Butylbenzene	< 2.00	ug/L	4/26/2024 14:38
Styrene	< 5.00	ug/L	4/26/2024 14:38
tert-Butylbenzene	< 2.00	ug/L	4/26/2024 14:38
Tetrachloroethene	< 2.00	ug/L	4/26/2024 14:38
Toluene	< 2.00	ug/L	4/26/2024 14:38
trans-1,2-Dichloroethene	< 2.00	ug/L	4/26/2024 14:38
trans-1,3-Dichloropropene	< 2.00	ug/L	4/26/2024 14:38
Trichloroethene	< 2.00	ug/L	4/26/2024 14:38
Trichlorofluoromethane	< 2.00	ug/L	4/26/2024 14:38
Vinyl chloride	< 2.00	ug/L	4/26/2024 14:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-1
Lab Sample ID: 241825-02 **Date Sampled:** 4/25/2024 12:00
Matrix: Groundwater **Date Received** 4/25/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**101**	80.5 - 124		4/26/2024 14:38
4-Bromofluorobenzene	**93.9**	78.2 - 114		4/26/2024 14:38
Pentafluorobenzene	**97.1**	90.8 - 109		4/26/2024 14:38
Toluene-D8	**99.1**	90.3 - 110		4/26/2024 14:38

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z23799.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: Ravi Engineering & Land Surveying, P.C.

Project Reference: 631 Northland

Sample Identifier: MW-2
Lab Sample ID: 241825-03 **Date Sampled:** 4/25/2024 12:15
Matrix: Groundwater **Date Received** 4/25/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.5	ug/L		5/1/2024 15:10
Acenaphthylene	< 10.5	ug/L		5/1/2024 15:10
Anthracene	< 10.5	ug/L		5/1/2024 15:10
Benzo (a) anthracene	< 10.5	ug/L		5/1/2024 15:10
Benzo (a) pyrene	< 10.5	ug/L		5/1/2024 15:10
Benzo (b) fluoranthene	< 10.5	ug/L		5/1/2024 15:10
Benzo (g,h,i) perylene	< 10.5	ug/L		5/1/2024 15:10
Benzo (k) fluoranthene	< 10.5	ug/L		5/1/2024 15:10
Chrysene	< 10.5	ug/L		5/1/2024 15:10
Dibenz (a,h) anthracene	< 10.5	ug/L		5/1/2024 15:10
Fluoranthene	< 10.5	ug/L		5/1/2024 15:10
Fluorene	< 10.5	ug/L		5/1/2024 15:10
Indeno (1,2,3-cd) pyrene	< 10.5	ug/L		5/1/2024 15:10
Naphthalene	< 10.5	ug/L		5/1/2024 15:10
Phenanthrene	< 10.5	ug/L		5/1/2024 15:10
Pyrene	< 10.5	ug/L		5/1/2024 15:10

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**59.8**	15.2 - 100		5/1/2024 15:10
Nitrobenzene-d5	**69.9**	47.4 - 98.9		5/1/2024 15:10
Terphenyl-d14	**84.4**	56 - 111		5/1/2024 15:10

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 4/30/2024
Data File: B71124.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/26/2024 14:57
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/26/2024 14:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-2
Lab Sample ID: 241825-03 **Date Sampled:** 4/25/2024 12:15
Matrix: Groundwater **Date Received** 4/25/2024

1,1,2-Trichloroethane	< 2.00	ug/L	4/26/2024 14:57
1,1-Dichloroethane	< 2.00	ug/L	4/26/2024 14:57
1,1-Dichloroethene	< 2.00	ug/L	4/26/2024 14:57
1,2,3-Trichlorobenzene	< 5.00	ug/L	4/26/2024 14:57
1,2,4-Trichlorobenzene	< 5.00	ug/L	4/26/2024 14:57
1,2,4-Trimethylbenzene	< 2.00	ug/L	4/26/2024 14:57
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L	4/26/2024 14:57
1,2-Dibromoethane	< 2.00	ug/L	4/26/2024 14:57
1,2-Dichlorobenzene	< 2.00	ug/L	4/26/2024 14:57
1,2-Dichloroethane	< 2.00	ug/L	4/26/2024 14:57
1,2-Dichloropropane	< 2.00	ug/L	4/26/2024 14:57
1,3,5-Trimethylbenzene	< 2.00	ug/L	4/26/2024 14:57
1,3-Dichlorobenzene	< 2.00	ug/L	4/26/2024 14:57
1,4-Dichlorobenzene	< 2.00	ug/L	4/26/2024 14:57
1,4-Dioxane	< 20.0	ug/L	4/26/2024 14:57
2-Butanone	< 10.0	ug/L	4/26/2024 14:57
2-Hexanone	< 5.00	ug/L	4/26/2024 14:57
4-Methyl-2-pentanone	< 5.00	ug/L	4/26/2024 14:57
Acetone	< 10.0	ug/L	4/26/2024 14:57
Benzene	< 1.00	ug/L	4/26/2024 14:57
Bromochloromethane	< 5.00	ug/L	4/26/2024 14:57
Bromodichloromethane	< 2.00	ug/L	4/26/2024 14:57
Bromoform	< 5.00	ug/L	4/26/2024 14:57
Bromomethane	< 2.00	ug/L	4/26/2024 14:57
Carbon disulfide	< 2.00	ug/L	4/26/2024 14:57
Carbon Tetrachloride	< 2.00	ug/L	4/26/2024 14:57
Chlorobenzene	< 2.00	ug/L	4/26/2024 14:57
Chloroethane	< 2.00	ug/L	4/26/2024 14:57
Chloroform	< 2.00	ug/L	4/26/2024 14:57
Chloromethane	< 2.00	ug/L	4/26/2024 14:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-2
Lab Sample ID: 241825-03 **Date Sampled:** 4/25/2024 12:15
Matrix: Groundwater **Date Received** 4/25/2024

cis-1,2-Dichloroethene	< 2.00	ug/L	4/26/2024 14:57
cis-1,3-Dichloropropene	< 2.00	ug/L	4/26/2024 14:57
Cyclohexane	< 10.0	ug/L	4/26/2024 14:57
Dibromochloromethane	< 2.00	ug/L	4/26/2024 14:57
Dichlorodifluoromethane	< 2.00	ug/L	4/26/2024 14:57
Ethylbenzene	< 2.00	ug/L	4/26/2024 14:57
Freon 113	< 2.00	ug/L	4/26/2024 14:57
Isopropylbenzene	< 2.00	ug/L	4/26/2024 14:57
m,p-Xylene	< 2.00	ug/L	4/26/2024 14:57
Methyl acetate	< 2.00	ug/L	4/26/2024 14:57
Methyl tert-butyl Ether	< 2.00	ug/L	4/26/2024 14:57
Methylcyclohexane	< 2.00	ug/L	4/26/2024 14:57
Methylene chloride	< 5.00	ug/L	4/26/2024 14:57
Naphthalene	< 5.00	ug/L	4/26/2024 14:57
n-Butylbenzene	< 2.00	ug/L	4/26/2024 14:57
n-Propylbenzene	< 2.00	ug/L	4/26/2024 14:57
o-Xylene	< 2.00	ug/L	4/26/2024 14:57
p-Isopropyltoluene	< 2.00	ug/L	4/26/2024 14:57
sec-Butylbenzene	< 2.00	ug/L	4/26/2024 14:57
Styrene	< 5.00	ug/L	4/26/2024 14:57
tert-Butylbenzene	< 2.00	ug/L	4/26/2024 14:57
Tetrachloroethene	< 2.00	ug/L	4/26/2024 14:57
Toluene	< 2.00	ug/L	4/26/2024 14:57
trans-1,2-Dichloroethene	< 2.00	ug/L	4/26/2024 14:57
trans-1,3-Dichloropropene	< 2.00	ug/L	4/26/2024 14:57
Trichloroethene	< 2.00	ug/L	4/26/2024 14:57
Trichlorofluoromethane	< 2.00	ug/L	4/26/2024 14:57
Vinyl chloride	< 2.00	ug/L	4/26/2024 14:57

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-2
Lab Sample ID: 241825-03 **Date Sampled:** 4/25/2024 12:15
Matrix: Groundwater **Date Received** 4/25/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	80.5 - 124		4/26/2024 14:57
4-Bromofluorobenzene	**95.3**	78.2 - 114		4/26/2024 14:57
Pentafluorobenzene	**99.5**	90.8 - 109		4/26/2024 14:57
Toluene-D8	**101**	90.3 - 110		4/26/2024 14:57

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z23800.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241825-04 **Date Sampled:** 4/25/2024 13:00
Matrix: Groundwater **Date Received** 4/25/2024

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 10.5	ug/L		5/1/2024 15:40
Acenaphthylene	< 10.5	ug/L		5/1/2024 15:40
Anthracene	< 10.5	ug/L		5/1/2024 15:40
Benzo (a) anthracene	< 10.5	ug/L		5/1/2024 15:40
Benzo (a) pyrene	< 10.5	ug/L		5/1/2024 15:40
Benzo (b) fluoranthene	< 10.5	ug/L		5/1/2024 15:40
Benzo (g,h,i) perylene	< 10.5	ug/L		5/1/2024 15:40
Benzo (k) fluoranthene	< 10.5	ug/L		5/1/2024 15:40
Chrysene	< 10.5	ug/L		5/1/2024 15:40
Dibenz (a,h) anthracene	< 10.5	ug/L		5/1/2024 15:40
Fluoranthene	< 10.5	ug/L		5/1/2024 15:40
Fluorene	< 10.5	ug/L		5/1/2024 15:40
Indeno (1,2,3-cd) pyrene	< 10.5	ug/L		5/1/2024 15:40
Naphthalene	< 10.5	ug/L		5/1/2024 15:40
Phenanthrene	< 10.5	ug/L		5/1/2024 15:40
Pyrene	< 10.5	ug/L		5/1/2024 15:40

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2-Fluorobiphenyl	**68.9**	15.2 - 100		5/1/2024 15:40
Nitrobenzene-d5	**78.7**	47.4 - 98.9		5/1/2024 15:40
Terphenyl-d14	**91.1**	56 - 111		5/1/2024 15:40

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 4/30/2024
Data File: B71125.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/26/2024 15:17
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/26/2024 15:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241825-04 **Date Sampled:** 4/25/2024 13:00
Matrix: Groundwater **Date Received** 4/25/2024

1,1,2-Trichloroethane	< 2.00	ug/L	4/26/2024 15:17
1,1-Dichloroethane	< 2.00	ug/L	4/26/2024 15:17
1,1-Dichloroethene	< 2.00	ug/L	4/26/2024 15:17
1,2,3-Trichlorobenzene	< 5.00	ug/L	4/26/2024 15:17
1,2,4-Trichlorobenzene	< 5.00	ug/L	4/26/2024 15:17
1,2,4-Trimethylbenzene	< 2.00	ug/L	4/26/2024 15:17
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L	4/26/2024 15:17
1,2-Dibromoethane	< 2.00	ug/L	4/26/2024 15:17
1,2-Dichlorobenzene	< 2.00	ug/L	4/26/2024 15:17
1,2-Dichloroethane	< 2.00	ug/L	4/26/2024 15:17
1,2-Dichloropropane	< 2.00	ug/L	4/26/2024 15:17
1,3,5-Trimethylbenzene	< 2.00	ug/L	4/26/2024 15:17
1,3-Dichlorobenzene	< 2.00	ug/L	4/26/2024 15:17
1,4-Dichlorobenzene	< 2.00	ug/L	4/26/2024 15:17
1,4-Dioxane	< 20.0	ug/L	4/26/2024 15:17
2-Butanone	< 10.0	ug/L	4/26/2024 15:17
2-Hexanone	< 5.00	ug/L	4/26/2024 15:17
4-Methyl-2-pentanone	< 5.00	ug/L	4/26/2024 15:17
Acetone	< 10.0	ug/L	4/26/2024 15:17
Benzene	< 1.00	ug/L	4/26/2024 15:17
Bromochloromethane	< 5.00	ug/L	4/26/2024 15:17
Bromodichloromethane	< 2.00	ug/L	4/26/2024 15:17
Bromoform	< 5.00	ug/L	4/26/2024 15:17
Bromomethane	< 2.00	ug/L	4/26/2024 15:17
Carbon disulfide	< 2.00	ug/L	4/26/2024 15:17
Carbon Tetrachloride	< 2.00	ug/L	4/26/2024 15:17
Chlorobenzene	< 2.00	ug/L	4/26/2024 15:17
Chloroethane	< 2.00	ug/L	4/26/2024 15:17
Chloroform	< 2.00	ug/L	4/26/2024 15:17
Chloromethane	< 2.00	ug/L	4/26/2024 15:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241825-04 **Date Sampled:** 4/25/2024 13:00
Matrix: Groundwater **Date Received** 4/25/2024

cis-1,2-Dichloroethene	< 2.00	ug/L	4/26/2024 15:17
cis-1,3-Dichloropropene	< 2.00	ug/L	4/26/2024 15:17
Cyclohexane	< 10.0	ug/L	4/26/2024 15:17
Dibromochloromethane	< 2.00	ug/L	4/26/2024 15:17
Dichlorodifluoromethane	< 2.00	ug/L	4/26/2024 15:17
Ethylbenzene	< 2.00	ug/L	4/26/2024 15:17
Freon 113	< 2.00	ug/L	4/26/2024 15:17
Isopropylbenzene	< 2.00	ug/L	4/26/2024 15:17
m,p-Xylene	< 2.00	ug/L	4/26/2024 15:17
Methyl acetate	< 2.00	ug/L	4/26/2024 15:17
Methyl tert-butyl Ether	< 2.00	ug/L	4/26/2024 15:17
Methylcyclohexane	< 2.00	ug/L	4/26/2024 15:17
Methylene chloride	< 5.00	ug/L	4/26/2024 15:17
Naphthalene	< 5.00	ug/L	4/26/2024 15:17
n-Butylbenzene	< 2.00	ug/L	4/26/2024 15:17
n-Propylbenzene	< 2.00	ug/L	4/26/2024 15:17
o-Xylene	< 2.00	ug/L	4/26/2024 15:17
p-Isopropyltoluene	< 2.00	ug/L	4/26/2024 15:17
sec-Butylbenzene	< 2.00	ug/L	4/26/2024 15:17
Styrene	< 5.00	ug/L	4/26/2024 15:17
tert-Butylbenzene	< 2.00	ug/L	4/26/2024 15:17
Tetrachloroethene	< 2.00	ug/L	4/26/2024 15:17
Toluene	< 2.00	ug/L	4/26/2024 15:17
trans-1,2-Dichloroethene	< 2.00	ug/L	4/26/2024 15:17
trans-1,3-Dichloropropene	< 2.00	ug/L	4/26/2024 15:17
Trichloroethene	< 2.00	ug/L	4/26/2024 15:17
Trichlorofluoromethane	< 2.00	ug/L	4/26/2024 15:17
Vinyl chloride	< 2.00	ug/L	4/26/2024 15:17

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 241825

Client: **Ravi Engineering & Land Surveying, P.C.**

Project Reference: 631 Northland

Sample Identifier: MW-3
Lab Sample ID: 241825-04 **Date Sampled:** 4/25/2024 13:00
Matrix: Groundwater **Date Received** 4/25/2024

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**97.3**	80.5 - 124		4/26/2024 15:17
4-Bromofluorobenzene	**91.1**	78.2 - 114		4/26/2024 15:17
Pentafluorobenzene	**96.1**	90.8 - 109		4/26/2024 15:17
Toluene-D8	**97.9**	90.3 - 110		4/26/2024 15:17

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z23801.D

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

1882

CHAIN OF CUSTODY

PARADIGM
ENVIRONMENTAL SERVICES

REPORT TO:			INVOICE TO:			
COMPANY: Ravi			COMPANY: SAME			LAB PROJECT ID 241825
address:			ADDRESS:			Quotation #: Marshal
CITY:	STATE:	ZIP:	CITY:	STATE:	ZIP:	Email: PMorton@vaviens.com LZicari
PHONE:	FAX:		PHONE:	FAX:		
ATTN: P. Morton L. Zicari			ATTN:			

PROJECT REFERENCE
631 Northland

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	CP-51 VOCs	TCL VOCs	CP-51 SVOCs	REMARKS	PARADIGM LAB SAMPLE NUMBER
4-25-24	11:30		✓	SB-7	SO	2	✓	✓	✓		01
↓	12:00		✓	MW-1	GW	3 2	✓	✓	✓		02
↓	12:15		✓	MW-2	GW	3 2	✓	✓	✓		03
↓	13:00		✓	MW-3	GW	3 2	✓	✓	✓		04
						↳ 3 per in Jud On 4/25/2024					

Turnaround Time	Report Supplements	
Availability contingent upon lab approval; additional fees may apply.		
Standard 5 day ☑	None Required ☑	None Required ☑
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:

Whitney McAlpin 4-25-24 1300
Sampled By — Date/Time

Total Cost:

Tom Strezowski 4/25/24 1503
Relinquished By — Date/Time

[signature] 4/25/24 1503
Received By — Date/Time

P.I.F.

[signature] 4/25/24 1517
Received @ Lab By — Date/Time

13°C Iced in Field @ 1522 4/25/24

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

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: Ravi

Lab Project ID: 241825

Completed by: [signature]

Date: 4/25/2024

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	☒	☒ 5035	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐	☐	☒
Comments			
Preservation	☒ VOA	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☒	☐	☐
Comments	13°C Iced in Field		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			