WWTP INVESTIGATION REPORT

for

300-320 Scaj LLC
320 Scajaquada Street
Buffalo, New York

- Location -

320 Scajaquada Street
Buffalo, New York
Site Number: 915152

July 2024

Prepared by:

Lyons Engineering, DPC.
10 Jones Avenue
Rochester, New York 14608

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EXECUTIVE SUMMARY

This report has been prepared to summarize field activities for the site located at 320 Scajaquada Street in Buffalo, New York. The work was completed by Lyons Engineering, DPC on behalf of 300-320 Scaj LLC to investigate the presence of contamination in subsurface soils as well as to determine the depth of concrete foundations in the area of the existing Wastewater Treatment Plant located at 320 Scajaquada Street in Buffalo, New York. A NYSDEC number has been assigned to the entire site (915152) since 1992; listed as Buffalo-Saginaw. The investigation was conducted in accordance with the NYSDEC approved work plan dated, March 2024.

On April 4, 2024, a total of seven (7) borings were advanced to acquire environmental data from the WWTP area. The investigation activities were conducted in accordance with applicable guidance presented in the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (DER-10), issued May 3, 2010. In addition. work was performed in compliance with 29 CFR 1910.120 (Hazardous Waste Operations and Emergency Response) and 29 CFR 1926 Subpart P (Excavations).

The soils recovered from the borings were analyzed for PCBs in accordance with Untied States Environmental Protection Agency (USEPA) method 8082.

Based on review of the analytical results, the soils in the borings sampled did not exhibit concentrations of PCB's above the New York State Department of Environmental Conservation (NYSDEC) Remedial Program Soil Cleanup Objectives for industrial use standard as presented in 6 NYCRR Part 375-6 for Industrial Use (table 575-6.8b) for PCB's as presented below except for boring WW-3 at a level of 36 ppm.

Boring Location	Depth (bgs)	PCBs	Result (ppm)	Industrial Standard (ppm)
WW-1	8 ft	Aroclor 1248	4.6	25
WW-2	8 ft	Not Detected	N/A	25
WW-3	8 ft	Aroclor 1248	36	25
WW-4	8 ft	Aroclor 1248	8.5	25
WW-5	4 ft	Aroclor 1248	3.4	25
WW-6	4 ft	Not Detected	N/A	25
WW-7	2 ft	Aroclor 1248	0.06	25

Section 1

LYONS ENGINEERING, DPC

Introduction

1.0 Introduction

1.1 General

This report has been prepared by NEU-VELLE to document the findings of subsurface soil sampling activities performed on April 4, 2024 in subsurface soils as well as to determine the depth of concrete foundations in the area of the existing Wastewater Treatment Plant located at 320 Scajaquada Street in Buffalo, New York. A New York State Department of Environmental Conservation (NYSDEC) number has been assigned to the entire site (915152) since 1992; listed as Buffalo-Saginaw.

On April 4, 2024, a total of seven (7) borings were advanced to acquire environmental data from the WWTP area. The investigation activities were conducted in accordance with applicable guidance presented in the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (DER-10), issued May 3, 2010. In addition. work was performed in compliance with 29 CFR 1910.120 (Hazardous Waste Operations and Emergency Response) and 29 CFR 1926 Subpart P (Excavations).

The soils recovered from the borings were analyzed for PCBs in accordance with Untied States Environmental Protection Agency (USEPA) method 8082.

1.2 Site Investigation Objectives

The purpose and objective of the investigation include the following:

- Determine the presence of PCB's in the soil associated soils in the area of the WWTP
- Determine the depth of concrete foundations in the area of the WWTP

1.3 Report Organization

This report presents the findings from data obtained during the sampling activities. Section 2 discusses the investigation activities that were performed at the site. Section 3 provides an overview of the analytical data obtained during the project. Section 4 presents our conclusions regarding the interpretation and findings of the data obtained during the project.

Section 2

LYONS ENGINEERING, DPC

Investigation

2.0 INVESTIGATION

2.1 General

This section presents the approach and methodology used in performing the soil sampling at the site. In order to meet the objectives of the project, various field activities were conducted at the site on April 4, 2024, that included the following:

- Coring of concrete foundations
- Advancement of subsurface borings;
- Visual inspection of recovered soil from the borings;
- Photo Ionization Detector (PID) monitoring of recovered soil from the borings;
- Sampling and analysis of recovered soils.
- CAMP monitoring.

The following subsections briefly describe the implementation of the above noted field activities.

2.2 Soil Borings

Seven (7) borings were advanced using direct-push (Geoprobe®) technology. The location of the boings is presented in Appendix A. The borings were advanced to various depths as presented in the executive summary of this report. Continuous soil sampling was conducted using macro-core samplers (Geoprobe®). Each core sample was screened in the field using a portable photoionization detector (PID) instrument. Composite samples were collected from near surface, within fill material, and within native material in each boring and transported for laboratory analysis of PCB's.

Based on visual inspection of the recovered soil, as well as PID monitoring, evidence of contamination (i.e., staining, odors, elevated PID readings) was in several locations although no elevated PID readings were observed as summarized below.

Boring Location	Depth of Concrete	Soil Sample Depth	Visual Observation	PID Reading (ppm)
WW-1	N/A - Asphalt	8 ft	Staining at 8 ft	0
WW-2	>16 in.	8 ft	Staining at 6-8 ft	0
WW-3	>16 in.	8 ft	Staining at 6-8 ft	0
WW-4	>16 in.	8 ft	Staining at 6-8 ft	0
WW-5	8 in.	4 ft	Staining at 3-4 ft	0
WW-6	12 in.	4 ft	No staining observed	0
WW-7	16 in.	2 ft	No staining observed	0

Once collected, the soil samples were placed in laboratory grade glass jars and submitted under standard chain-of-custody protocol to ALS Environmental in Rochester, New York, a New York State Department of Health (NYSDOH)-approved laboratory, for analysis. The samples were analyzed for PCBs in accordance with USEPA Method 8082.

Section 3

LYONS ENGINEERING, DPC

Analytical Results

3.0 Analytical Results

This section presents the results of the subsurface soil sampling performed during this investigation.

3.1 Subsurface Soil

Recovered soil from each of the boring location was screened for total volatile organic vapors using a calibrated PID. Following completion of the borings (seven locations), soil samples were collected for laboratory analysis for PCBs.

Based on review of the analytical results, the soils in the borings sampled did not exhibit concentrations of PCB's above the New York State Department of Environmental Conservation (NYSDEC) Remedial Program Soil Cleanup Objectives for industrial use standard as presented in 6 NYCRR Part 375-6 for Industrial Use (table 575-6.8b) for PCB's as presented below except for boring WW-3 at a level of 36 ppm.

Boring Location	Depth (bgs)	PCBs	Result (ppm)	Industrial Standard (ppm)
WW-1	8 ft	Aroclor 1248	4.6	25
WW-2	8 ft	Not Detected	N/A	25
WW-3	8 ft	Aroclor 1248	36	25
WW-4	8 ft	Aroclor 1248	8.5	25
WW-5	4 ft	Aroclor 1248	3.4	25
WW-6	4 ft	Not Detected	N/A	25
WW-7	2 ft	Aroclor 1248	0.06	25

The analytical results are summarized in the tables included in Appendix B. The complete analytical data report is presented in Appendix C.

Section 4

LYONS ENGINEERING, DPC

Conclusions

4.0 Conclusions

This section summarizes the interpretation of the field data and associated findings obtained during the soil sampling activities.

4.1 Subsurface Soil

A total of seven (7) soil borings were advanced below ground surface and soil samples were visually inspected for evidence of contamination and screened for total volatile organic vapors using a field calibrated PID. Samples were collected from each of the borings and analyzed for PCBs.

Based on review of the analytical results, the soils in the borings sampled did not exhibit concentrations of PCB's above the New York State Department of Environmental Conservation (NYSDEC) Remedial Program Soil Cleanup Objectives for industrial use standard as presented in 6 NYCRR Part 375-6 for Industrial Use (table 575-6.8b) for PCB's as presented below except for boring WW-3 at a level of 36 ppm. It is anticipated that subsurface soils may be disturbed during closure activities (i.e., utility installation and foundation removal). As such, any material excavated will be managed in accordance with the Excavation Work Plan and Wastewater Treatment Plant Closure Plan.

Boring Location	Depth (bgs)	PCBs	Result (ppm)	Industrial Standard (ppm)
WW-1	8 ft	Aroclor 1248	4.6	25
WW-2	8 ft	Not Detected	N/A	25
WW-3	8 ft	Aroclor 1248	36	25
WW-4	8 ft	Aroclor 1248	8.5	25
WW-5	4 ft	Aroclor 1248	3.4	25
WW-6	4 ft	Not Detected	N/A	25
WW-7	2 ft	Aroclor 1248	0.06	25

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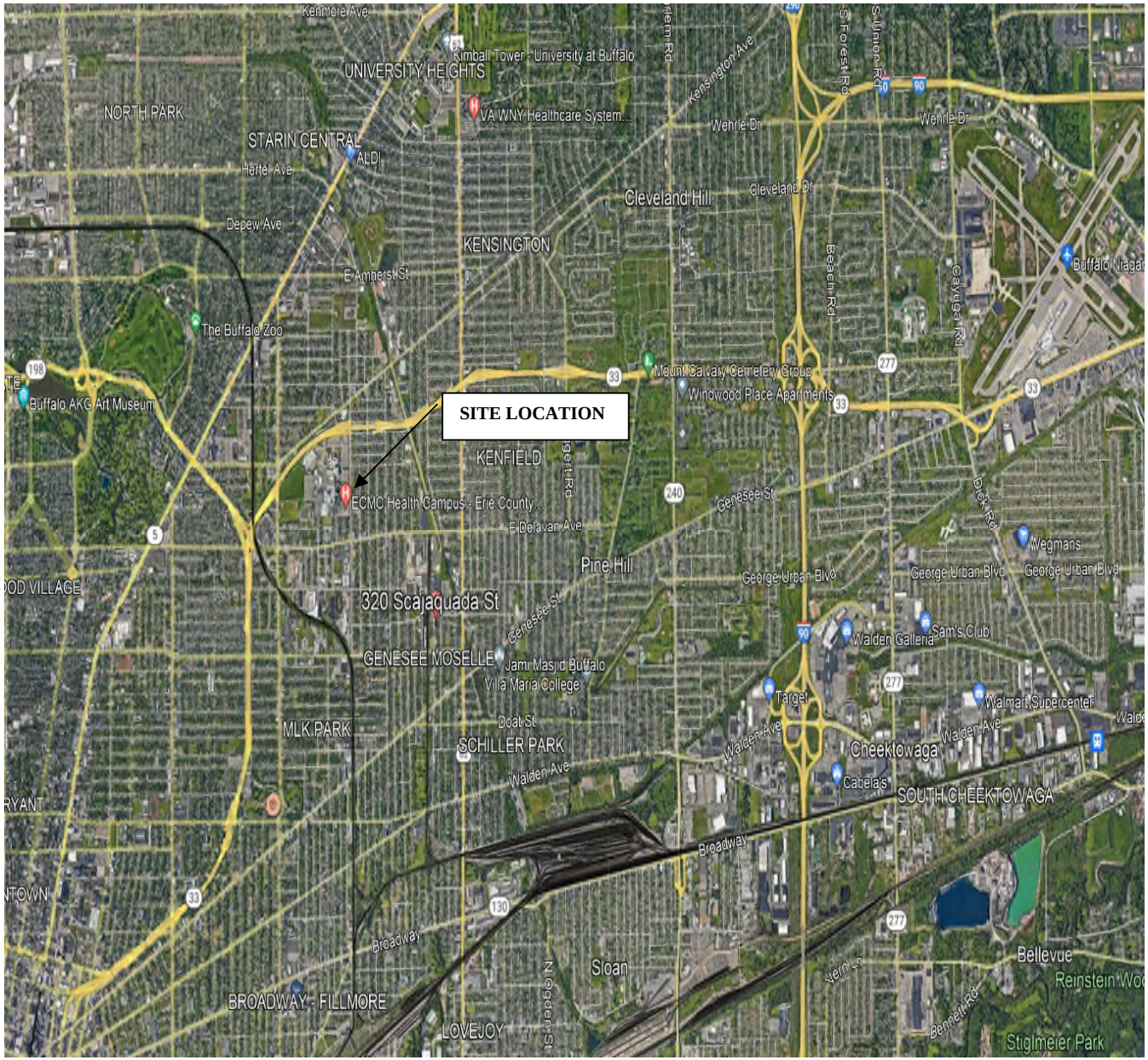
Appendix A

LYONS ENGINEERING, DPC

Site Maps

Site Location Map



Boring Locations  Site Boundary  Air Monitoring Location 	LYONS ENGINEERING DPC 10 Jones Avenue, Rochester, New York 14608	Site Map 320 Scajaquada Street, Buffalo, NY	
		Drawn Date: April 2024	
		Drawn By: AGL	
		Scale: NTS	Figure 2

Appendix B

LYONS ENGINEERING, DPC

Analytical Data Summary

320 Scajaquada Street, Buffalo, New York
WWTP Subsurface Soil - Analytical Results Summary

Sample ID		WW-1	WW-2	WW-3	WW-4	WW-5	WW-6	WW-7	NYSDEC Industrial Use
Sample Date		4/4/2024	4/4/2024	4/4/2024	4/4/2024	4/4/2024	4/4/2024	4/4/2024	
Matix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	
PCB's (SW846 8082)									
Aroclor 1016	mg/kg	ND	ND	ND	ND	ND	ND	ND	25
Aroclor 1221	mg/kg	ND	ND	ND	ND	ND	ND	ND	25
Aroclor 1232	mg/kg	ND	ND	ND	ND	ND	ND	ND	25
Aroclor 1242	mg/kg	ND	ND	ND	ND	ND	ND	ND	25
Aroclor 1248	mg/kg	**4.6**	ND	**36**	**8.5**	**3.4**	ND	**0.06**	25
Aroclor 1254	mg/kg	ND	ND	ND	ND	ND	ND	ND	25
Aroclor 1260	mg/kg	ND	ND	ND	ND	ND	ND	ND	25

(mg/kg) = millograms per kilograms = parts per million (ppm)
ND = Not detected

Appendix C

LYONS ENGINEERING, DPC

Analytical Data Report/DUSR

PARADIGM

ENVIRONMENTAL SERVICES, INC

Analytical Report For

Neu-Velle

For Lab Project ID

241482

Prepared

Friday, April 12, 2024

The enclosed reports reflect an analysis that has been subcontracted and are presented in their original form.

Enclosed is a summary report; the complete ASP package will follow.

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

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

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-01 (WW-1)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 10:55:00 AM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-001
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1221	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1232	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1242	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1248	**4600**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1254	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1260	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1262	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1268	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Surr: Decachlorobiphenyl	**70.0**	48.1-152		%REC	5	4/10/2024 3:08:37 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	**45.5**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-02 (WW-2)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 2:00:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1221	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1232	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1242	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1248	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1254	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1260	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1262	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1268	**ND**	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Surr: Decachlorobiphenyl	**54.0**	48.1-152		%REC	1	4/10/2024 3:22:47 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**46.4**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-03 (WW-3)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 2:35:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-003
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1221	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1232	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1242	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1248	**36000**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1254	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1260	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1262	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1268	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Surr: Decachlorobiphenyl	**80.0**	48.1-152		%REC	100	4/10/2024 5:30:39 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**26.1**	0.1		wt%	1	4/10/2024

Qualifiers:	ND - Not Detected at the Reporting Limit	S - LCS Spike below accepted limits (+ above)
	J - Analyte detected below quanititation limits	Z - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
	X - Value exceeds Maximum Contaminant Level	T - Tentitively Identified Compound-Estimated Conc.
	E - Value above quantitation range-Estimate	

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-04 (WW-4)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 3:00:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-004
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1221	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1232	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1242	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1248	**8500**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1254	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1260	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1262	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1268	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Surr: Decachlorobiphenyl	**80.0**	48.1-152		%REC	20	4/10/2024 5:44:50 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**38.6**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-05 (WW-5)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 12:55:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-005
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1221	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1232	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1242	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1248	**3400**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1254	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1260	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1262	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1268	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Surr: Decachlorobiphenyl	**50.0**	48.1-152		%REC	5	4/10/2024 4:05:21 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	**21.2**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-06 (WW-6)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 11:30:00 AM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-006
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1221	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1232	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1242	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1248	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1254	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1260	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1262	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1268	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Surr: Decachlorobiphenyl	**36.0**	48.1-152	S	%REC	1	4/10/2024 4:19:31 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**19.0**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-07 (WW-7)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 12:17:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-007
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1221	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1232	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1242	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1248	**60**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1254	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1260	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1262	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1268	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Surr: Decachlorobiphenyl	**38.0**	48.1-152	S	%REC	1	4/10/2024 4:47:58 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**20.0**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

24040807

ELAP ID: 1

REPORT TO:		INVOICE TO:		
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #: / CLIENT PROJECT #:
ADDRESS:		ADDRESS:		
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:		PHONE: FAX:		1 ☐ 2 ☐ 3 ☐ 5 ☒ STD
ATTN: Reporting		ATTN: Accounts Payable		
COMMENTS: Please email results to reporting@paradigmenv.com				Date Due: 4/16/24

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

Remarks: Report J flags ASP Cat B package due 4/ SW 846 ITT, SDG closed

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	PCBs	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/4/24	1055		X	WW-1	SO	1	X	241482-01	
2	↓	1400		↓	WW-2	↓	↓	↓	-02	
3	↓	1435		↓	WW-3	↓	↓	↓	-03	
4	↓	1500		↓	WW-4	↓	↓	↓	-04	
5	↓	1255		↓	WW-5	↓	↓	↓	-05	
6	↓	1130		↓	WW-6	↓	↓	↓	-06	
7	↓	1217		↓	WW-7	↓	↓	↓	-07	
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☐	N ☐
Preservation: Comments:	Y ☐	N ☐
Holding Time: Comments:	Y ☐	N ☐
Temperature: Comments:	Y ☐	N ☐

Client

		Date/Time
Sampled By	[signature]	4/9/24 0830
Relinquished By	[signature]	4/9/24 11:50
Received By	[signature]	4/9/24 16:00
Received @ Lab By		

Total Cost:

P.I.F.

Demo 240408017

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

PARADIGM
ENVIRONMENTAL SERVICES, INC

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.
"Z" = See case narrative.
"H" = Sample analyzed outside of holding time.
"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.

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

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

1092

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		
CLIENT:	NEU-VELLE LLC	CLIENT:	Same	LAB PROJECT ID: 241482
ADDRESS:	10 Jones Avenue	ADDRESS:		
CITY:	Rochester STATE: NY ZIP 14608	CITY:	STATE: ZIP:	Quotation #:
PHONE:	585-313-9683	PHONE:		Email: al@neu-velle.com
ATTN:	Al Lyons	ATTN:		

PROJECT REFERENCE

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	Total PCBs										REMARKS	PARADIGM LAB SAMPLE NUMBER
4/4/2024	1055		x	WW-1	SO	1	x											01
4/4/2024	1400		x	WW-2	SO	1												02
4/4/2024	1435		x	WW-3	SO	1												03
4/4/2024	1500		x	WW-4	SO	1												04
4/4/2024	1255		x	WW-5	SO	1												05
4/4/2024	1130		x	WW-6	SO	1												06
4/4/2024	1217		x	WW-7	SO	1												07

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

Sampled By: Al Lyon — Date/Time: 4/4/24 1500

Relinquished By: Al Lyon — Date/Time: 4/5/24 1005

Received By: Emily Hyde — Date/Time: 4/5/24 1005

Received @ Lab By: Emily Hyde — Date/Time: 4/5/24 1009

Total Cost:

P.I.F.

6°C iced 4/5/24 1005

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

Custody seals N/A See additional page for sample conditions.

1 dropped off by client N/A EN 4/5/24

2082

PARADIGM

Chain of Custody Supplement

Client: NEV-Velle **Completed by:** [signature]

Lab Project ID: 241482 **Date:** 4/5/2024

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	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐	☐	☒
Comments			
Preservation	☐	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☒	☐	☐
Comments	6°C Trip		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			

DATA USABILITY SUMMARY REPORT (DUSR)

SDGs: **241482**
7 Soil Samples

Prepared for:

Neu Velle, LLC
10 Jones Avenue
Rochester, NY 14608
Attention: Kyle Miller

July 2024

EDU *Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

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Table 4-2 Quality Control Criteria for Validating Laboratory Analytical Data

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Table 6-1 PCBs

REVIEWER'S NARRATIVE
Neu-Velle SDG 241482:

The data associated with this Sample Delivery Group (SDG) 241482, analyzed by Paradigm Environmental, Rochester, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 7/3/2024

Michael K. Perry
Chemist

1.0 SUMMARY

SITE:

SAMPLING DATE:	April 04, 2024
SAMPLE TYPE:	7 soil samples
LABORATORY:	Paradigm Environmental Services, Inc. Rochester, NY
SDG No.:	241482

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for 7 soil samples collected on April 04, 2024. These samples were analyzed for PCBs by EPA method 8082A.

All analyses were performed by Paradigm Environmental, Rochester, NY and analyzed as SDG: 224824. These analyses were subcontracted to Adirondack Environmental Services, Albany, NY as SDG 240408017. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC ** US Dept. of Defense	January 2021 November 2022
Radiological Analysis		
Uranium	USEPA Method 908.0	June 1999
Radium-226	USEPA Method 903.1	1980
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

** Data Validation Guidelines Module 6: Data Validatioin Procedures for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)	Radiological (U and Ra)
Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation
Holding Time	Holding Time
Canister Certification	Sample Specific Yield
Instrument Tuning	Required Detection Limit
Initial Calibration and Instrument Performance	Laboratory Control Sample
Daily Calibration	Matrix Spikes
Blanks	Method Blank
Lab Control Sample	Instrument Calibration
Field Duplicate	

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

UJ The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The table lists the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 241482, seven samples were analyzed and results were reported for 63 analytes. Even though some results were flagged with a "J" as estimated, all results (100%) are considered usable.

Table 6-1 PCBs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
WW-6 WW-7	All analytes	J detects UJ non-detects	Sur rec for DCB < QC limit	Data are estimated
WW-5	PCB 1248	J detects	2nd column confirmation > 25%	Data are estimated

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

CLIENT: Neu-Velle

PROJECT LOCATION:

LAB PROJECT NUMBER: 241482

DATE: 4/30/2024

Seven soil samples were collected by the client from the above-referenced site on April 4, 2024 and were received by the Paradigm Environmental Laboratory on April 5, 2024. The samples were received under the conditions as noted on the chain-of-custody supplement. The samples were subcontracted to Adirondak Environmental Services, Inc. of Albany, NY. All analyses were run by this laboratory.

Their report is provided in its entirety as a separate entity after the following Paradigm Chains of Custody. A case narrative addressing their analyses is included with their report.

Signed _____ Date 4/30/24

Steven Devito

Technical Director

Adirondack Environmental Services Inc

Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

April 19, 2024

Emily Farmen
Paradigm Environmental
179 Lake Avenue
Rochester, NY 14608

TEL: (800) 724-1997

Work Order No: 240408017

RE: Sample Analysis
Project # 241482

Dear Emily Farmen:

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed in the Case Narrative. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature."

Tara Daniels
Laboratory Director

Workorder Sample Summary

Client: Paradigm Environmental

Work Order: 240408017

ProjectName: Sample Analysis

ProjLocation: Project # 241482

AES Sample No	ClientSampID	Matrix	CollectionDate	DateReceived
240408017-001	WW-1	Soil	4/4/2024 10:55:00 AM	4/9/2024 4:00:00 PM
240408017-002	WW-2	Soil	4/4/2024 2:00:00 PM	4/9/2024 4:00:00 PM
240408017-003	WW-3	Soil	4/4/2024 2:35:00 PM	4/9/2024 4:00:00 PM
240408017-004	WW-4	Soil	4/4/2024 3:00:00 PM	4/9/2024 4:00:00 PM
240408017-005	WW-5	Soil	4/4/2024 12:55:00 PM	4/9/2024 4:00:00 PM
240408017-006	WW-6	Soil	4/4/2024 11:30:00 AM	4/9/2024 4:00:00 PM
240408017-007	WW-7	Soil	4/4/2024 12:17:00 PM	4/9/2024 4:00:00 PM

Adirondack Environmental Services, Inc.

Experience is the Solution

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www.adirondackenvironmental.com

Case Narrative

Client: Paradigm Environmental Services

Case: 240408017

SDG: WW-1

PCBs

1) The samples specified on the chain of custody were analyzed for PCBs using EPA Method 8082A following the criteria for NYSDEC ASP.

2) The samples received on 4/8/24 had a temperature of 4 °C. Sample bottle were supplied by Paradigm Environmental Services.

3) Peak area was used to calculate all values appearing in this data package.

4) The primary quantitation column is identified as RTX-CLP-1 and the confirmation column is identified as RTX-CLP-2.

5) The injection volume for the primary and column was 1.0 uL and the injection volume for the confirmation column was 1.0 uL.

6) Sample WW-7 (AES sample number 240408017-007) was used for matrix spike and the matrix spike duplicate analysis. This sample was spiked with Aroclors 1016 and 1260. The recoveries between both columns were within acceptable limits.

7) The following samples were diluted prior to analysis due to the high levels of PCBs present.

Client ID	Laboratory ID	Final Dilution
WW-1	240408017-001	1:5
WW-3	240408017-003	1:100
WW-4	240408017-004	1:20
WW-5	240408017-005	1:5

"I certify that this data package is in compliance with the terms and conditions of the protocol, both technically and for completeness, to the best of my knowledge, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Laboratory Director
Date: 4/19/2024

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF COUSTODY

240408017

ELAP ID: 1

Demo
240408017

REPORT TO:		INVOICE TO:		
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #: / CLIENT PROJECT #
ADDRESS:		ADDRESS:		
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:		PHONE: FAX:		STD
PROJECT NAME/SITE NAME:	ATTN: Reporting	ATTN: Accounts Payable		☐ 1 ☐ 2 ☐ 3 ☒ 5
	COMMENTS: Please email results to reporting@paradigmenv.com			Date Due: 4/16/24

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	PCBs	REMARKS: Report J flags ASP Cat B package due 4/ SW 846 HT, SDG closed	PARADIGM LAB SAMPLE NUMBER
1	4/4/24	1055		X	WW-1	SO	1	X	241482-01	
2	↓	1400		↓	WW-2	↓	↓	↓	-02	
3	↓	1435		↓	WW-3	↓	↓	↓	-03	
4	↓	1500		↓	WW-4	↓	↓	↓	-04	
5	↓	1255		↓	WW-5	↓	↓	↓	-05	
6	↓	1130		↓	WW-6	↓	↓	↓	-06	
7	↓	1217		↓	WW-7	↓	↓	↓	-07	
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

Client

	Date/Time	
Sampled By: [signature]	4/9/24	0830
Relinquished By: [signature]	4/9/24	11:50
Received By: [signature]	4/9/24	16:00
Received @ Lab By:		

Total Cost: ☐

P.I.F. ☐

Adirondack Environmental Services, Inc

Date: *18-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	WW-1
Work Order:	240408017	**Collection Date:**	4/4/2024 10:55:00 AM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-001
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1221	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1232	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1242	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1248	***4600***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1254	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1260	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1262	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1268	***ND***	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Surr: Decachlorobiphenyl	***70.0***	48.1-152		%REC	5	4/10/2024 3:08:37 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	***45.5***	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *18-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	WW-2
Work Order:	240408017	**Collection Date:**	4/4/2024 2:00:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1221	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1232	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1242	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1248	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1254	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1260	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1262	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1268	***ND***	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Surr: Decachlorobiphenyl	***54.0***	48.1-152		%REC	1	4/10/2024 3:22:47 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	***46.4***	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *18-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	WW-3
Work Order:	240408017	**Collection Date:**	4/4/2024 2:35:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-003
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1221	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1232	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1242	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1248	***36000***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1254	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1260	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1262	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1268	***ND***	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Surr: Decachlorobiphenyl	***80.0***	48.1-152		%REC	100	4/10/2024 5:30:39 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	***26.1***	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *18-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	WW-4
Work Order:	240408017	**Collection Date:**	4/4/2024 3:00:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-004
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1221	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1232	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1242	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1248	***8500***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1254	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1260	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1262	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1268	***ND***	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Surr: Decachlorobiphenyl	***80.0***	48.1-152		%REC	20	4/10/2024 5:44:50 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	***38.6***	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *18-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	WW-5
Work Order:	240408017	**Collection Date:**	4/4/2024 12:55:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-005
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF	
(Prep: SW3545A - 4/9/2024)							
Aroclor 1016	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Aroclor 1221	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Aroclor 1232	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Aroclor 1242	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Aroclor 1248	***3400***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	J
Aroclor 1254	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Aroclor 1260	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Aroclor 1262	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Aroclor 1268	***ND***	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM	
Surr: Decachlorobiphenyl	***50.0***	48.1-152		%REC	5	4/10/2024 4:05:21 PM	
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM	
Percent Moisture	***21.2***	0.1		wt%	1	4/10/2024	

MKP 7/3/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *18-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	WW-6
Work Order:	240408017	**Collection Date:**	4/4/2024 11:30:00 AM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-006
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF	
(Prep: SW3545A - 4/9/2024)							
Aroclor 1016	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	UJ
Aroclor 1221	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Aroclor 1232	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Aroclor 1242	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Aroclor 1248	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Aroclor 1254	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Aroclor 1260	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Aroclor 1262	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Aroclor 1268	***ND***	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM	
Surr: Decachlorobiphenyl	***36.0***	48.1-152	S	%REC	1	4/10/2024 4:19:31 PM	
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM	
Percent Moisture	***19.0***	0.1		wt%	1	4/10/2024	

MKP 7/3/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *18-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	WW-7
Work Order:	240408017	**Collection Date:**	4/4/2024 12:17:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-007
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**	
(Prep: SW3545A - 4/9/2024)							
Aroclor 1016	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	UJ
Aroclor 1221	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Aroclor 1232	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Aroclor 1242	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Aroclor 1248	***60***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Aroclor 1254	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Aroclor 1260	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Aroclor 1262	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Aroclor 1268	***ND***	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM	
Surr: Decachlorobiphenyl	***38.0***	48.1-152	S	%REC	1	4/10/2024 4:47:58 PM	
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**	
Percent Moisture	***20.0***	0.1		wt%	1	4/10/2024	

MKP 7/3/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Appendix B

Laboratory QC Documentation

Second Column Confirmation Report

Test : **PCBs**

Analysis Date: **4/10/2024**

SampleID	Analyte	Column-1	Column-2	RPD
240408017-001				
	Aroclor 1221	0	0	-
	Aroclor 1232	0	0	-
	Aroclor 1242	0	0	-
	Aroclor 1248	4200	4600	9.1
	Aroclor 1254	0	0	-
	Aroclor 1260	0	0	-
	Aroclor 1262	0	0	-
	Aroclor 1268	0	0	-
	Aroclor 1016	0	0	-
240408017-002				
	Aroclor 1254	0	0	-
	Aroclor 1268	0	0	-
	Aroclor 1260	0	0	-
	Aroclor 1248	0	0	-
	Aroclor 1232	0	0	-
	Aroclor 1221	0	0	-
	Aroclor 1016	0	0	-
	Aroclor 1262	0	0	-
	Aroclor 1242	0	0	-
240408017-003				
	Aroclor 1242	0	0	-
	Aroclor 1268	0	0	-
	Aroclor 1262	0	0	-
	Aroclor 1260	0	0	-
	Aroclor 1248	36000	31000	14.9
	Aroclor 1232	0	0	-
	Aroclor 1221	0	0	-
	Aroclor 1016	0	0	-
	Aroclor 1254	0	0	-
240408017-004				
	Aroclor 1254	0	0	-
	Aroclor 1016	0	0	-
	Aroclor 1221	0	0	-
	Aroclor 1232	0	0	-
	Aroclor 1242	0	0	-
	Aroclor 1260	0	0	-
	Aroclor 1262	0	0	-
	Aroclor 1268	0	0	-
	Aroclor 1248	8500	8500	0
240408017-005				
	Aroclor 1242	0	0	-

SampleID	Analyte	Column-1	Column-2	RPD
	Aroclor 1268	0	0	-
	Aroclor 1262	0	0	-
	Aroclor 1260	0	0	-
	Aroclor 1248	3400	2600	26.7
	Aroclor 1232	0	0	-
	Aroclor 1221	0	0	-
	Aroclor 1016	0	0	-
	Aroclor 1254	0	0	-
240408017-006				
	Aroclor 1254	0	0	-
	Aroclor 1221	0	0	-
	Aroclor 1262	0	0	-
	Aroclor 1260	0	0	-
	Aroclor 1268	0	0	-
	Aroclor 1248	0	0	-
	Aroclor 1232	0	0	-
	Aroclor 1016	0	0	-
	Aroclor 1242	0	0	-
240408017-007				
	Aroclor 1268	0	0	-
	Aroclor 1016	0	0	-
	Aroclor 1221	0	0	-
	Aroclor 1232	0	0	-
	Aroclor 1242	0	0	-
	Aroclor 1248	60	52	14.3
	Aroclor 1254	0	0	-
	Aroclor 1260	0	0	-
	Aroclor 1262	0	0	-

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Neu-Velle

For Lab Project ID

241482

Prepared

Friday, April 12, 2024

The enclosed reports reflect an analysis that has been subcontracted and are presented in their original form.

Enclosed is a summary report; the complete ASP package will follow.

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

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

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-01 (WW-1)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 10:55:00 AM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-001
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1221	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1232	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1242	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1248	**4600**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1254	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1260	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1262	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Aroclor 1268	**ND**	300		µg/Kg-dry	5	4/10/2024 3:08:37 PM
Surr: Decachlorobiphenyl	**70.0**	48.1-152		%REC	5	4/10/2024 3:08:37 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	**45.5**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-02 (WW-2)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 2:00:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-002
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1221	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1232	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1242	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1248	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1254	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1260	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1262	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Aroclor 1268	ND	62		µg/Kg-dry	1	4/10/2024 3:22:47 PM
Surr: Decachlorobiphenyl	54.0	48.1-152		%REC	1	4/10/2024 3:22:47 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	46.4	0.1		wt%	1	4/10/2024

Qualifiers:	ND - Not Detected at the Reporting Limit	S - LCS Spike below accepted limits (+ above)
	J - Analyte detected below quanititation limits	Z - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
	X - Value exceeds Maximum Contaminant Level	T - Tentitively Identified Compound-Estimated Conc.
	E - Value above quantitation range-Estimate	

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-03 (WW-3)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 2:35:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-003
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1221	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1232	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1242	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1248	**36000**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1254	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1260	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1262	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Aroclor 1268	**ND**	4500		µg/Kg-dry	100	4/10/2024 5:30:39 PM
Surr: Decachlorobiphenyl	**80.0**	48.1-152		%REC	100	4/10/2024 5:30:39 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**26.1**	0.1		wt%	1	4/10/2024

Qualifiers:		
	ND - Not Detected at the Reporting Limit	S - LCS Spike below accepted limits (+ above)
	J - Analyte detected below quanititation limits	Z - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	N - Matrix Spike below accepted limits (+ above)
	X - Value exceeds Maximum Contaminant Level	T - Tentitively Identified Compound-Estimated Conc.
	E - Value above quantitation range-Estimate	

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-04 (WW-4)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 3:00:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-004
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1221	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1232	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1242	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1248	**8500**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1254	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1260	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1262	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Aroclor 1268	**ND**	1100		µg/Kg-dry	20	4/10/2024 5:44:50 PM
Surr: Decachlorobiphenyl	**80.0**	48.1-152		%REC	20	4/10/2024 5:44:50 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**38.6**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-05 (WW-5)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 12:55:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-005
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: **KF**
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1221	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1232	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1242	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1248	**3400**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1254	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1260	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1262	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Aroclor 1268	**ND**	210		µg/Kg-dry	5	4/10/2024 4:05:21 PM
Surr: Decachlorobiphenyl	**50.0**	48.1-152		%REC	5	4/10/2024 4:05:21 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **KM**
Percent Moisture	**21.2**	0.1		wt%	1	4/10/2024

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- X - Value exceeds Maximum Contaminant Level
- E - Value above quantitation range-Estimate
- S - LCS Spike below accepted limits (+ above)
- Z - RPD outside accepted recovery limits
- N - Matrix Spike below accepted limits (+ above)
- T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-06 (WW-6)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 11:30:00 AM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-006
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1221	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1232	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1242	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1248	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1254	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1260	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1262	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Aroclor 1268	**ND**	41		µg/Kg-dry	1	4/10/2024 4:19:31 PM
Surr: Decachlorobiphenyl	**36.0**	48.1-152	S	%REC	1	4/10/2024 4:19:31 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	**19.0**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

Adirondack Environmental Services, Inc

Date: *11-Apr-24*

CLIENT:	Paradigm Environmental	**Client Sample ID:**	241482-07 (WW-7)
Work Order:	**240408017**	**Collection Date:**	4/4/2024 12:17:00 PM
Reference:	Sample Analysis / Project # 241482	**Lab Sample ID:**	240408017-007
PO#:		**Matrix:**	SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS - EPA 8082A						Analyst: KF
(Prep: SW3545A - 4/9/2024)						
Aroclor 1016	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1221	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1232	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1242	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1248	**60**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1254	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1260	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1262	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Aroclor 1268	**ND**	41		µg/Kg-dry	1	4/10/2024 4:47:58 PM
Surr: Decachlorobiphenyl	**38.0**	48.1-152	S	%REC	1	4/10/2024 4:47:58 PM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: KM
Percent Moisture	**20.0**	0.1		wt%	1	4/10/2024

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
E - Value above quantitation range-Estimate
S - LCS Spike below accepted limits (+ above)
Z - RPD outside accepted recovery limits
N - Matrix Spike below accepted limits (+ above)
T - Tentitively Identified Compound-Estimated Conc.

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

240408017

ELAP ID: 1

REPORT TO:		INVOICE TO:			
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #:	CLIENT PROJECT #
ADDRESS:		ADDRESS:			
CITY:	STATE: ZIP:	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	FAX:	PHONE:	FAX:		STD
PROJECT NAME/SITE NAME:	ATTN: Reporting	ATTN: Accounts Payable		☐ 1 ☐ 2 ☐ 3 ☒ 5	
	COMMENTS: Please email results to reporting@paradigmenv.com			Date Due: 4/16/24	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	PCBs										REMARKS	PARADIGM LAB SAMPLE NUMBER
																		Report J flags ASP Cat B package due 4/ SW 846 HT, SDG clo 24	
1	4/9/24	1055		X	MW-1	SO	1	X										241482-01	
2		1400			MW-2													-02	
3		1435			MW-3													-03	
4		1500			MW-4													-04	
5		1255			MW-5													-05	
6		1130			MW-6													-06	
7		1217			MW-7													-07	
8																			
9																			
10																			

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

Client

Sampled By	Date/Time	
Emily Hyde	4/9/24	0830
Relinquished By	Date/Time	
[signature]	4/9/24	1150
Received By	Date/Time	
[signature]	4/9/24	16:00
Received @ Lab By	Date/Time	

Total Cost:

P.I.F.

Appendix D

LYONS ENGINEERING, DPC

Boring Logs/Photos

NEU-VELLE LLC

10 Jones Avenue, Rochester, New York 14608

Boring Number WW-1

BORING LOG

Project Name & Location		Date
300-320 Scaj LLC	320 Scajaqada Street, Buffalo NY	4/4/2024
Drilling Company		**Sampler(s)** / **Sampler Hammer** / **Drop**
T&R Environemntal		Al Lyons
Drilling Equipment / **Method**		**Elevation & Datum** / **Completion Depth** / **Rock Depth**
Geoprobe	Direct Push (DP)	NA
Bit Size(s) / **Core Barrel(s)**		**Environmental Oversight**
2 Inch	4 ft Length	Albert G. Lyons, Jr., P.E.

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION	REMARKS
					SURFACE DESCRIPTION:	
0						
1			0ppm			
2		4ft	0ppm		Asphault with Run & Crush to Red Clay	
3			0ppm			
4			0ppm			
5			0ppm			
6		4ft	0ppm		Red Clay to Grey Clay, Black Staining Present at Bottom of Core	Sample taken at 8ft BGS
7			0ppm			
8	WW-1		0ppm			
9			0ppm		End Of Boring	
10			0ppm			

Signature: Albert G Lyons, Jr., P.E. Date: 4/4/24

NEU-VELLE LLC

10 Jones Avenue, Rochester, New York 14608

Boring Number WW-2

BORING LOG

Project Name & Location: 300-320 Scaj LLC — 320 Scajaqada Street, Buffalo NY		Date: 4/4/2024	
Drilling Company: T&R Environemntal		Sampler(s): Al Lyons	Sampler Hammer / Drop
Drilling Equipment: Geoprobe	Method: Direct Push (DP)	Elevation & Datum: NA	Completion Depth / Rock Depth
Bit Size(s): 2 Inch	Core Barrel(s): 4 ft Length	Environmental Oversight: Albert G. Lyons, Jr., P.E.	

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION	REMARKS
					SURFACE DESCRIPTION:	
0						
1			0ppm			
2		3ft	0ppm		Run and Crush to Orange Clay with Fill Debris	
3			0ppm			
4			0ppm			
5			0ppm			
6		4ft	0ppm		Fill Debris to Grey Clay, Staining Observed at 6-8ft BGS	Sample collected from 8ft BGS
7			0ppm			
8	WW-2		0ppm			
9			0ppm		End of Boring	
10			0ppm			

Signature: Albert G Lyons, Jr., P.E. Date: 4/4/24

NEU-VELLE LLC

10 Jones Avenue, Rochester, New York 14608

Boring Number WW-3

BORING LOG

Project Name & Location: 300-320 Scaj LLC — 320 Scajaqada Street, Buffalo NY		Date: 4/4/2024	
Drilling Company: T&R Environemntal		Sampler(s): Al Lyons	Sampler Hammer / Drop
Drilling Equipment: Geoprobe	Method: Direct Push (DP)	Elevation & Datum: NA	Completion Depth / Rock Depth
Bit Size(s): 2 Inch	Core Barrel(s): 4 ft Length	Environmental Oversight: Albert G. Lyons, Jr., P.E.	

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION	REMARKS
					SURFACE DESCRIPTION:	
0						
1			0ppm			
2		2ft	0ppm		Run and Crush to Orange Clay with Fill Debris	
3			0ppm			
4			0ppm			
5			0ppm			
6		3ft	0ppm		Fill Debris to Large Angular Gravel, Staining and Liquid Product Observed at 6-8ft BGS	Sample collected from 8ft BGS
7			0ppm			
8	WW-3		0ppm			
9			0ppm		End of Boring	
10			0ppm			

Signature: Albert G Lyons, Jr., P.E. Date: 4/4/24

NEU-VELLE LLC

10 Jones Avenue, Rochester, New York 14608

Boring Number WW-4

BORING LOG

Project Name & Location: 300-320 Scaj LLC — 320 Scajaqada Street, Buffalo NY		Date: 4/4/2024	
Drilling Company: T&R Environemntal		Sampler(s): Al Lyons	Sampler Hammer / Drop
Drilling Equipment: Geoprobe	Method: Direct Push (DP)	Elevation & Datum: NA	Completion Depth / Rock Depth
Bit Size(s): 2 Inch	Core Barrel(s): 4 ft Length	Environmental Oversight: Albert G. Lyons, Jr., P.E.	

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION	REMARKS
					SURFACE DESCRIPTION:	
0						
1			0ppm			
2		2ft	0ppm		Run and Crush to Orange Clay with Fill Debris	
3			0ppm			
4			0ppm			
5			0ppm			
6		3ft	0ppm		Fill Debris to Large Angular Gravel, Staining and Liquid Product Observed at 6-8ft BGS	Sample collected from 8ft BGS
7			0ppm			
8	WW-4		0ppm			
9			0ppm		End of Boring	
10			0ppm			

Signature: Albert G Lyons, Jr., P.E. Date: 4/4/24

NEU-VELLE LLC

10 Jones Avenue, Rochester, New York 14608

Boring Number WW-5

BORING LOG

Project Name & Location: 300-320 Scaj LLC — 320 Scajaqada Street, Buffalo NY		Date: 4/4/2024	
Drilling Company: T&R Environemntal		Sampler(s): Al Lyons	Sampler Hammer / Drop
Drilling Equipment: Geoprobe	Method: Direct Push (DP)	Elevation & Datum: NA	Completion Depth / Rock Depth
Bit Size(s): 2 Inch	Core Barrel(s): 4 ft Length	Environmental Oversight: Albert G. Lyons, Jr., P.E.	

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION	REMARKS
					SURFACE DESCRIPTION:	
0		3ft			Concrete to 8" Silty Sand to Grey Clay, Staining Present	Sample collected from Observed staining at 4ft BGS
1			0ppm			
2			0ppm			
3			0ppm			
4	WW-5		0ppm			
5			0ppm			
6			0ppm		End of Boring	
7			0ppm			
8			0ppm			
9			0ppm			
10			0ppm			

Signature: Albert G Lyons, Jr., P.E. Date: 4/4/24

NEU-VELLE LLC

10 Jones Avenue, Rochester, New York 14608

Boring Number WW-6

BORING LOG

Project Name & Location		Date
300-320 Scaj LLC	320 Scajaqada Street, Buffalo NY	4/4/2024
Drilling Company		**Sampler(s)** / **Sampler Hammer** / **Drop**
T&R Environemntal		Al Lyons
Drilling Equipment / **Method**		**Elevation & Datum** / **Completion Depth** / **Rock Depth**
Geoprobe	Direct Push (DP)	NA
Bit Size(s) / **Core Barrel(s)**		**Environmental Oversight**
2 Inch	4 ft Length	Albert G. Lyons, Jr., P.E.

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION	REMARKS
					SURFACE DESCRIPTION:	
0		2ft			Concrete to 12" Run and Crush to Saturated Fill Debris	Sample Collected from Observed Fill Debris at 2ft BGS
1			0ppm			
2			0ppm			
3			0ppm			
4	WW-6		0ppm			
5			0ppm			
6			0ppm		End of Boring	
7			0ppm			
8			0ppm			
9			0ppm			
10			0ppm			

Signature: Albert G Lyons, Jr., P.E. Date: 4/4/24

NEU-VELLE LLC

10 Jones Avenue, Rochester, New York 14608

Boring Number WW-7

BORING LOG

Project Name & Location		Date
300-320 Scaj LLC	320 Scajaqada Street, Buffalo NY	4/4/2024
Drilling Company		**Sampler(s)** / **Sampler Hammer** / **Drop**
T&R Environemntal		Al Lyons
Drilling Equipment / **Method**		**Elevation & Datum** / **Completion Depth** / **Rock Depth**
Geoprobe	Direct Push (DP)	NA
Bit Size(s) / **Core Barrel(s)**		**Environmental Oversight**
2 Inch	4 ft Length	Albert G. Lyons, Jr., P.E.

DEPTH (ft below grade)	SAMPLES: Sample Number	Recovery (feet)	FID/PID (ppm)	Blow Counts	SOIL DESCRIPTION	REMARKS
					SURFACE DESCRIPTION:	
0		2ft			Concrete to 16"	Sample Collected from Observed Fill Debris at 2ft BGS
1			0ppm		Run and Crush to Saturated, Stained Fill Debris	
2			0ppm			
3			0ppm			
4	WW-7		0ppm			
5			0ppm			
6			0ppm		End of Boring	
7			0ppm			
8			0ppm			
9			0ppm			
10			0ppm			

Signature: Albert G Lyons, Jr., P.E. Date: 4/4/24

SAMPLE LOCATION WW-1

SAMPLE LOCATION WW-2

SAMPLE LOCATION WW-3

SAMPLE LOCATION WW-4

SAMPLE LOCATION WW-5

SAMPLE LOCATION WW-6

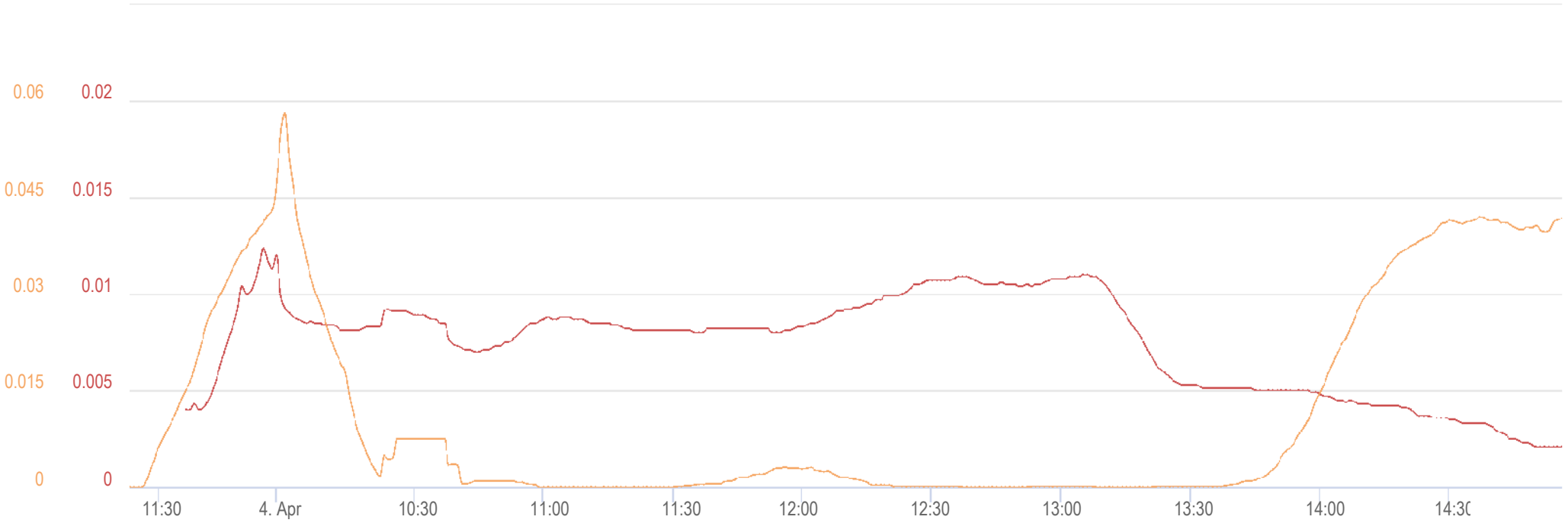
SAMPLE LOCATION WW-7

Appendix E

LYONS ENGINEERING, DPC

CAMP Data

April 4, 2024
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³ AVG 15m
mg/ m3
DustTrak-8533
RS232(C)

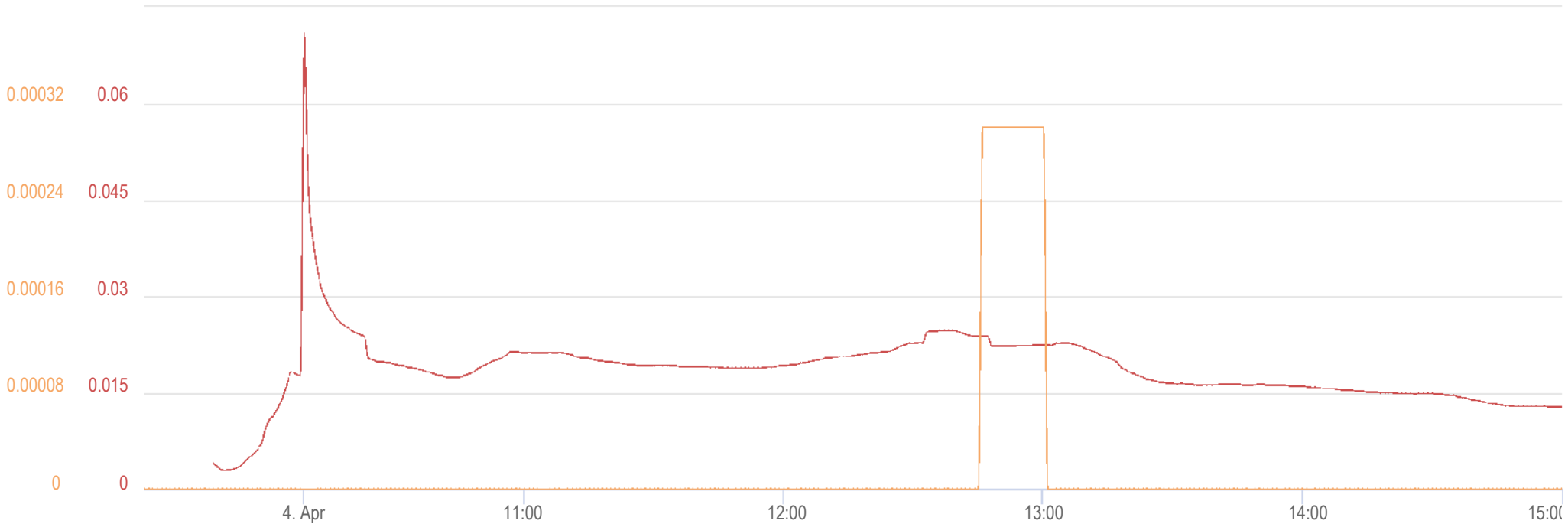
MIN	AVG	MAX
0.0021	0.0075	0.0124

VOC ppm AVG 15m ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.0108	0.058

Name Neu-Velle #2 (FA05586)
S/N 2B256760
Description FA05586
Location 320 Scajaquada Street, Buffalo, New York

April 4, 2024
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³ AVG 15m
mg/ m3
DustTrak-8533
RS232(C)

MIN	AVG	MAX
0.003	0.019	0.071

VOC ppm AVG 15m ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0	0.0003

Name Neu-Velle #1 (FA05591)
S/N 2B265886
Description FA05591
Location 320 Scajaquada Street, Buffalo, New York