PHASE II ENVIRONMENTAL SITE ASSESSMENT

53 AND 55 WATER STREET PROPERTIES
JAMESTOWN, NEW YORK, 14701

Prepared for:

Southern Tier Environments for Living
715 Central Ave
Dunkirk, New York, 14048

Prepared by:

1270 Niagara Street
Buffalo, New York, 14213

March 2019

Prepared By: Alexander Brennen	**Signature:**	**Date:** 3-22-19	**Title:** BE3 - EIT
Reviewed By: Jason M. Brydges, PE	**Signature:**	**Date:** 3-22-19	**Title:** BE3 - PM

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1.0 INTRODUCTION

1.1 PURPOSE

BE3 Corp./Panamerican (BE3) completed a Phase II Environmental Site Assessment (ESA) for two adjacent parcels: 53 and 55 Water Street in Jamestown, New York (see **Figure 1**). The properties total approximately 0.48 acres and contain two residential homes; one on each property. Individual properties are referred to by their mailing addresses within this report. See **Figure 2** for the tax map delineating property boundaries. The properties are located along the Chadakoin River approximately a quarter mile south of downtown Jamestown. The middle of the target properties is approximately located at latitude 42˚ 5' 35.87'' N; longitude 79˚ 13' 50.48'' W with an average elevation of 20 feet above sea level. The properties are currently owned by individual residents and serve as dwellings.

The properties are directly adjacent to one another on the north side of Water Street, and house two-story residential structures within 20 feet of Water Street. There is a shared driveway between the two properties along the property line. The general grade in that area slopes to the north towards the bank of the Chadakoin River. The buildings are approximately 1900 square feet at 53 Water and 2400 square feet at 55 Water. There is also a detached garage located on the 55 Water Street. The properties are bordered by the Gateway Center complex (31 Water St) to the west, the Chadakoin River to the north, the WCA Hospital shipment receiving building to the east, and Water Street to the south. The WCA Hospital parking lot also exists directly south across Water Street.

The purpose of the Phase II ESA was to obtain information and data for use in a Brownfields Cleanup Program (BCP) application and to assess the following recognized environmental conditions (RECs) identified during the Phase I ESA:

- Investigations performed at the adjacent 31 Water Street property have found evidence of contamination that have the potential to impact 53 and 55 Water Street. The eastern, rear portion of the 31 Water Street property has been identified as an area where various storage tanks of solvents, fuel oil, and waste liquids were located, and soil samples in this area have confirmed the presence of elevated concentrations of solvents. This area is immediately adjacent to the 53 and 55 properties.

- 31-35 Water St, Chautauqua Hardware Corp – The former Chautauqua Hardware Corp has been linked to multiple records of spills, USTs, and ASTs. The constituents associated with these records include petroleum and chlorinated solvents; both of which can migrate via groundwater and are volatile. Releases have been documented adjacent to the 53 and 55 properties and hydraulically up-river.

For this investigation, a series of soil samples were taken across the properties to examine and assess soil conditions. The prime objective of the Phase II ESA was to determine the potential for environmental impacts from past property use and whether any impacts encountered were sufficiently significant to apply for the NYSDEC Brownfield Cleanup Program (BCP).

1.2 BACKGROUND

Information reviewed on the properties indicate a long history of the properties serving as residences since the early 1900s. Assessor's information depicts that the homes at 53 and 55 Water Street were constructed in the early 1900s and even late 1800s. The lots are both primarily grass covered except for the shared driveway. The bank of the Chadakoin River sits at the lowest elevation of both property

lines to the south. Elevation changes throughout the properties indicate the potential for urban fill use.

The properties sit along the south bank of the Chadakoin River. The river has served as a water source for local industry since the early 1900s. While the properties have not been associated with industrial uses, the adjacent parcels to the north, east, and west are a mix of industrial and commercial uses. The adjacent property at 31 Water operated various manufacturing uses since at least 1902 and is currently in the NYSDEC BCP. The property has been known to be associated with textiles and wool manufacturing (Jamestown Woolen Spinning Co. & Empire Worsted Mills) in the late 1800s and early 1900s and then changed to Chautauqua Hardware Corp. in the mid-1900s.

Contaminants of Concern - The history and use of adjacent properties and onsite observations indicate a potential for environmental impairment primarily from the use of onsite urban fill and adjacent property uses and depositions that may have occurred. The primary contaminants associated with urban fill include Polyaromatic Hydrocarbons (PAHs) and other specific Semi Volatile Organic Compounds (SVOCs) and metals. Historic releases and operations on the adjacent property could also lead to petroleum and solvent related Volatile Organic Compounds (VOCs) migrating to the properties.

1.3 SCOPE

The objective of this environmental assessment was to determine the presence of environmental impacts from historical use at and adjacent to the properties. This was accomplished through soil sampling relative to the potential RECs identified in the Phase I ESA and visual observations at the time of sampling. Sampling was strategically performed on site to assess the concentrations of SVOCs (primarily PAHs) and metals associated with urban fill material. Surface impacts from weathered petroleum SVOCs from adjacent property releases were also considered.

The site investigation included the collection of 7 samples across the property (see **Figure 3**). Soil from each location was visually examined and soil samples collected from soils that appeared to be environmentally impacted. The samples were submitted to a NYS certified laboratory and analyzed for NYSDEC NYCRR Part 375 SVOCs, Metals and PCBs/pesticides.

2.0 FIELD INVESTIGATIONS

Field work was completed on a single day on December 4, 2018. A photolog of field operations is included as **Appendix A,** and a summary of the field investigation methodology and findings is presented in the following paragraphs.

2.1 TEST PITS AND SAMPLING

Soil sampling points were advanced across both properties using a hand shovel. Seven samples were collected from each of the locations as shown on **Figure 3**. Sample depths ranged from surface to 1.5 feet below ground surface (bgs). Soil grab samples were collected from the soil/fill materials. The specific soil samples and depths ranged as follows:

- 55-S1, 55-S2, 55-S3, 53-S1, 53-S2, and 53-S4 at 0 – 1 feet bgs
- 53-S3 at 0 – 1.5 feet bgs

All sample test pit locations were backfilled with material from the exact location in the order the materials were removed. Field screening for VOCs was not completed as the PID was not functioning properly in the cold temperatures. There were no visual (discolored soils) or olfactory indications of

VOC impacted soils.

2.2 SAMPLING RATIONALE

Past uses of the adjacent properties indicate the potential for SVOCs, metals, and VOCs related to petroleum and chlorinated solvents to be the primary constituents associated with potential environmental impairment on site. The characteristics of the soil and suspected contaminants of concern have been defined through the Phase I ESA and prior investigations at the adjacent property, 31 Water St. In addition, potential exists for the subject property to be included into the NYSDEC Brownfield Cleanup Program (BCP), and sampling strategy was adjusted accordingly. Sampling parameters were therefore chosen to address all potential contaminants including PCBs, pesticides, metals, and SVOC compounds. Visual and olfactory observations did not warrant the expense for VOC analysis.

The methods selected to assess the potential contamination at the subject property are appropriate to assess the extent of environmental impairment. Considering the contaminant possibilities and the BCP, analyzing these near-surface soils for the selected parameters under NYSDEC Part 375 provides adequate assurance of detecting potential contamination.

3.0 RESULTS

3.1 SOIL CONDITIONS

The residential properties assessed in this Phase II are primarily grass covered with housing structures. A shared asphalt driveway exists between the two properties on the south end of the parcel along Water St. Past uses on the property and adjacent property have altered the surface conditions in various areas on the properties. Visual observations during field activities indicated the use of urban fill for grading purposes along the western edge of 55 Water St and the north ends along the river of both 55 and 53 Water St; as well as between the two parcels near the shared driveway.

Fill material across the site was found to be brown and black sands containing fine to coarse gravel, trace brick and concrete. Native soils were not encountered on the properties due to the shallow depths of assessment. Neither groundwater nor bedrock was encountered on the property. It is assumed that groundwater elevation is like that of the Chadakoin River, due to its proximity. Estimated depths to groundwater are two feet bgs at the north end of the properties and approximately six feet bgs at the south end. Based on previous and ongoing investigations conducted at 31 Water Street it can be anticipated that bedrock is at 25 to 32 feet bgs.

3.2 ANALYTICAL RESULTS

The soil cleanup objectives (SCOs) listed in 6 NYCRR Part 375-6.8 pertain to sites governed under a NYSDEC environmental remediation program, and since the potential exists for the subject property to be included under the BCP, these SCOs are applicable and appropriate in terms of reporting exceedances. Please refer to the attached **Table** for the results of subsurface soil samples compared to unrestricted, residential, and restricted residential SCOs in Part 375. The complete set of analytical data is provided in **Appendix B**.

Metals, pesticides, and SVOCs were detected in all the samples analyzed. PCBs were not detected in any of the samples. **Figure 3** provides a summary of the sample results exceeding restricted residential SCOs. The following provides a summary of the soil exceedances above SCOs:

Metals

- Metal exceedances above restricted residential SCOs were observed in five of the seven surface samples – 55-S1, 55-S2, 53-S1, 53-S2, and 53-S3.
- Metal exceedances above residential SCOs were observed in three of the samples – 55-S1, 55-S2, and 53-S2.
- Metal exceedances above unrestricted SCOs were found in all seven samples.

PCBs/Pesticides

- Pesticides were found exceeding unrestricted SCOs in four of the samples – 55-S1, 55-S2, 53-S3, and 53-S4.

SVOCs

- SVOC exceedances above restricted residential SCOs were observed five of the seven surface samples – 55-S1, 55-S2, 53-S1, 53-S2, and 53-S3.
- SVOC exceedances above residential SCOs were observed in three of the samples – 55-S1, 55-S2, and 53-S3.
- SVOC exceedances were found above unrestricted SCOs in one sample – 53-S3.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of Phase II ESA was to identify potential environmental impacts in the soil at 53 and 55 Water Street in Jamestown, NY. The Phase I ESA for these properties and other previous investigations of adjacent properties have identified RECs from historical uses of adjacent properties. The concerns/RECs related to the adjacent property (31 Water St.) include: documented onsite use, storage, and releases of both petroleum and chlorinated solvents to support metal plating work as well as possible USTs located adjacent/upgradient to the 53 and 55 properties.

Field observations and laboratory results indicate that there are environmental impacts in the soils of both the 53 and 55 properties. Exceedances of metals, SVOCs, and pesticides all are indicative of impacts from the use of urban fill and possible impacts from the adjacent 31 Water property.

5.0 WARRANTS AND LIMITATIONS

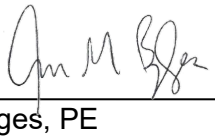
This report is based on information from limited soil sampling and visual observations of the surface and subsurface soils. This report is intended for the sole use of STEL, Inc. and others approved by STEL. The scope of services performed in this assessment may not be appropriate to satisfy the needs of other users and any use or reuse of this document or the findings, conclusions, or recommendations presented, is at the sole risk of the user.

The conclusions set forth in this report are based upon, and limited by, the analytical data and other information available. It should be noted that all surface and subsurface environmental assessments are inherently limited in the sense that conclusions are drawn, and recommendations developed from information obtained from limited data and site evaluation at a specific time. The passage of time may result in a change in environmental circumstances at this site and surrounding properties, or petroleum/hazardous materials beneath the surface may be present but undetectable during this limited Phase II assessment.

Opinions and recommendations presented herein apply to the site conditions existing at the time of the subsurface assessment and those reasonably foreseeable. They cannot necessarily apply to site changes, which are not made aware and therefore not been evaluated.

6.0 PROFESSIONAL STATEMENT

This Phase II ESA at 53 and 55 Water Street was performed in conformance with the scope and limitations of ASTM Practice E 1903-11 for the specific objectives specified in the report. I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in 312.10 of 40CFR312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR 312.



3-22-19

Jason M. Brydges, PE — Date

TABLE

Table
53-55 Water Street Soil Sample Analytical Results
6 NYCRR 375
Sampling Date: 12-04-18

Contaminants	Sample Identification							Soil Cleanup Objectives		
	55-S1	55-S2	55-S3	53-S1	53-S2	53-S3	53-S4	Unrestricted Use	Residential	Restricted Residential
METALS										
Arsenic	18	18.8	10.9	10.7	11.8	19.3	12.9	13	16	16
Barium	152	181	147	156	154	149	137	350	350	400
Beryllium	0.75	0.65	0.41	0.49	0.62	0.66	0.57	7.2	14	72
Cadmium	1.96	1.55	0.65	8.47	1.74	1.32	1.62	2.5	2.5	4.3
Chromium, trivalent	49.4	37.7	16.1	18.1	39.4	25.7	21.5	30	36	180
Copper	1510	361	47	57.4	2260	151	260	50	270	270
Lead	347	291	112	18.5	95.6	431	203	63	400	400
Manganese	544	516	380	963	564	423	561	1600	2,000	2,000
Nickel	33.4	21.7	15.1	21.9	42.1	19.4	20.4	30	140	310
Selenium	3.2	2.1	1.5		2.46	2.34	1.85	3.9	36	180
Silver	5.3	4.29	3.36	3.42	4.62	3.75	3.27	2	36	180
Zinc	1070	432	146	93.5	1610	240	316	109	2200	10,000
Total Mercury [b]	0.37	0.2	0.23	0.06	0.09	0.36	0.25	0.18	0.81	0.81
PCBs/PESTICIDES										
4,4'-DDE	0.007	0.13	ND	ND	ND	ND	0.006	0.0033	1.8	8.9
4,4'-DDT	0.025	0.17	ND	ND	ND	0.004	0.013	0.0033	1.7	7.9
4,4'- DDD	0.011	ND	ND	ND	ND	ND	0.006	0.0033	2.6	13
Aldrin	ND	ND	ND	ND	ND	ND	ND	0.005	0.019	0.097
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	0.02	0.097	0.48
beta-BHC	ND	ND	ND	ND	ND	ND	ND	0.036	0.072	0.36
Chlordane (alpha)	0.016	0.02	0.007	0.012	0.004	0.009	0.009	0.094	0.91	4.2
delta-BHC	ND	ND	ND	ND	0.006	ND	ND	0.04	100	100
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	7	14	59
Dieldrin	0.009	0.019	0.004	0.004	0.004	0.006		0.005	0.039	0.2
Endosulfan I [c]	ND	ND	ND	ND	ND	ND	ND	2.4	4.8	24
Endosulfan II [c]	0.012	ND	ND	ND	0.005	ND	0.004	2.4	4.8	24
Endosulfan sulfate [c]	0.033	0.055	0.011	0.02	ND	0.013	0.012	2.4	4.8	24
Endrin	ND	ND	ND	ND	ND	ND	ND	0.014	2.2	11
Heptachlor	ND	ND	ND	ND	ND	ND	ND	0.042	0.42	2.1
Lindane	ND	ND	ND	ND	ND	ND	ND	0.1	0.28	1.3
Polychlorinated biphenyls	ND	ND	ND	ND	ND	ND	ND	0.1	1	1
SEMIVOLATILE ORGANIC COMPOUNDS										
Acenaphthene	ND	ND	ND	ND	0.71	ND	ND	20	100	100
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	100	100	100
Anthracene	0.68	0.65	ND	ND	ND	ND	ND	100	100	100
Benz(a)anthracene	2.01	2.04	0.76	0.69	0.77	1.49	0.56	1	1	1
Benzo(a)pyrene	1.75	1.85	0.69	0.63	0.72	1.29	0.55	1	1	1
Benzo(b)fluoranthene	2.04	2.25	0.85	0.63	0.89	1.59	0.64	1	1	1
Benzo(g,h,i)perylene	1.1	1.24	0.48	0.37	0.53	0.82	0.38	100	100	100
Benzo(k)fluoranthene	1.34	1.35	0.63	0.49	0.5	0.95	0.41	0.8	1	3.9
Chrysene	2.15	2.28	0.85	0.63	0.85	1.57	0.61	1	1	3.9
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	0.33	0.33	0.33
Fluoranthene	4.29	4.48	1.65	1.26	1.98	3.28	1.25	100	100	100
Fluorene	ND	ND	ND	ND	ND	ND	ND	30	100	100
Indeno(1,2,3-cd)pyrene	1.1	1.21	0.47	0.52	0.53	0.81	0.4	0.5	0.5	0.5
m-Cresol (3-Methylphenol)	ND	ND	ND	ND	ND	ND	ND	0.33	100	100
Naphthalene	ND	ND	ND	ND	ND	0.47	ND	12	100	100
o-Cresol (2-Methylphenol)	ND	ND	ND	ND	ND	ND	ND	0.33	100	100
p-Cresol (4-Methylphenol)	ND	ND	ND	ND	ND	ND	ND	0.33	34	100
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	0.8	2.4	6.7
Phenanthrene	2.86	3.15	0.96	0.83	1.85	2.16	0.76	100	100	100
Phenol	ND	ND	ND	ND	ND	ND	ND	0.33	100	100
Pyrene	3.22	3.58	1.29	1.03	1.5	2.52	0.98	100	100	100

Results and SCOs are in parts per million (ppm).
ND - Non-Detect
NA - Not Applicable
NS - Not Specified, and may be required to calculate the ERSCO
[b] This SCO includes the values for elemental Hg or inorganic salts Hg.
[c] SCO is the sum of endosulfan I, endosulfan II, and endosulfan sulfate (but not for Eco or GW SCO).

1	= laboratory value exceeds restricted residential SCOs
2	= laboratory value exceeds residential SCOs but does not exceed restricted residential SCOs
3	= laboratory value exceeds unrestricted SCOs but does not exceed residential SCOs

FIGURES

EDR

Historical Topo Map

2013

This report includes information from the following map sheet(s).

TP, Jamestown, 2013, 7.5-minute
SW, Lakewood, 2013, 7.5-minute

NW N NE
W E
SW S SE

0 Miles 0.25 0.5 1 1.5

N

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1270 Niagara Street
Buffalo, NY 14213
716.249.6880 be3corp.com

FIGURE 1: PROJECT LOCATION MAP

53 - 55 Water St Phase II ESA
Jamestown, NY 14701

2-30-2019	SCALE: N/A	SHEET 1 OF 1

Scale 1:1,262

0 140 280 Feet

0 0.025 0.05 Miles

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FIGURE 2: PROPERTY TAX MAP

53 & 55 Water St Phase II ESA
Jamestown, NY 14701

2-04-2019	SCALE: ON DWG	SHEET 1 OF 1

Notes:
-All results are presented in ppm
-All results shown exceed restricted residential SCOs
-All samples taken were between 0 to1 foot depths

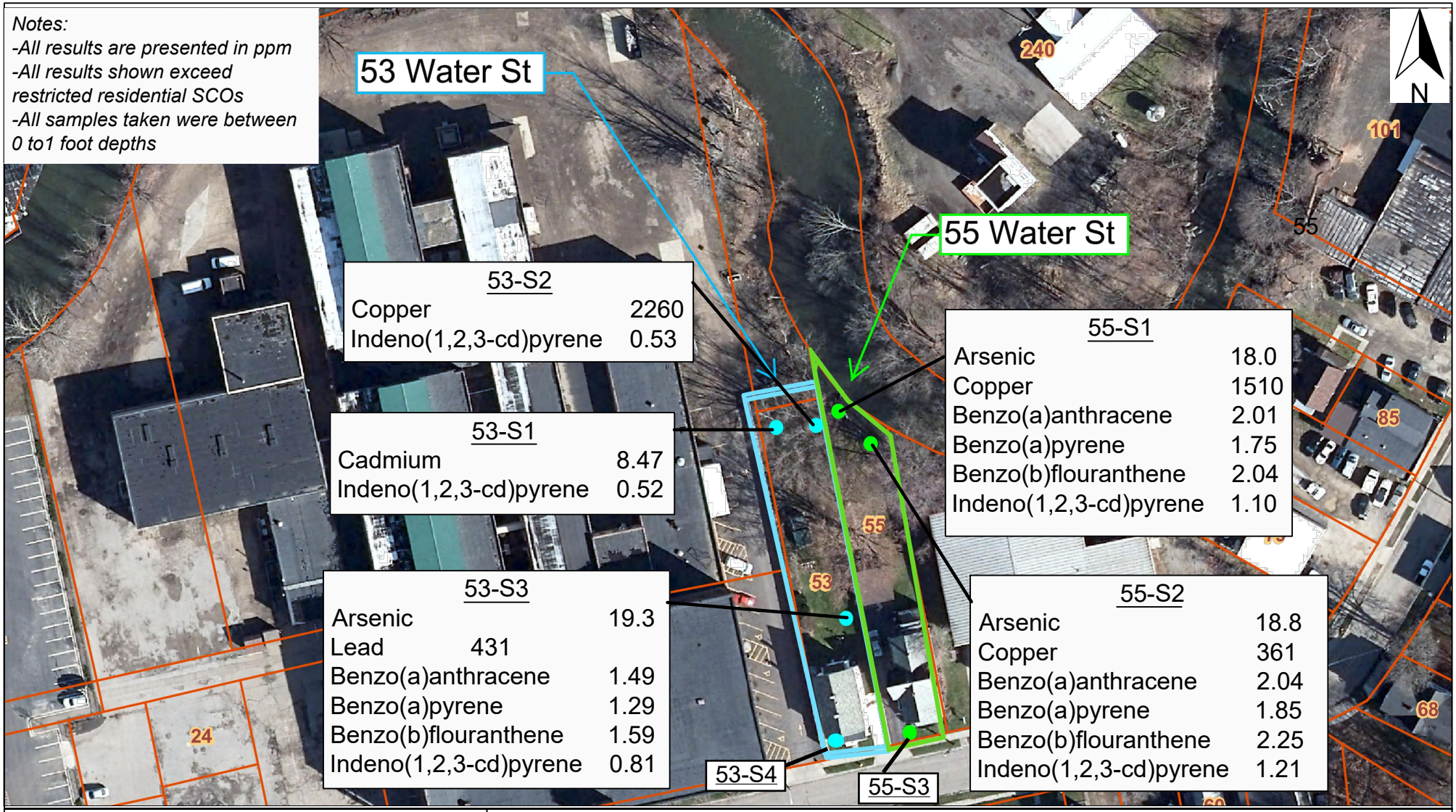

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FIGURE 3: SAMPLE LOCATIONS AND EXCEEDANCES

53 & 55 Water St Phase II ESA	01/30/2019
Jamestown, NY	STEL, Inc.

APPENDIX A

Photolog

53 & 55 Water St Phase II Photolog

Date: 12/04/17

View of 53 Water St looking north from Water St.

Rear of 53 Water St looking south.

Basement of 53 Water St. Various paints and household cleaners noted.

Basement of 53 Water St. Still occupied by current owner.

53 & 55 Water St Phase II Photolog

Date: 12/04/17

Street side view of 55 Water St. looking north.

Rear of 55 Water St. looking south.

Backyard of 55 Water St including detached garage. Looking south.

View of Chadakoin River at north end of 55 Water St parcel looking east.

APPENDIX B

Laboratory Analytical Report

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

BE3

For Lab Project ID

185627

Referencing

53-55 Water Street

Prepared

Monday, December 17, 2018

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

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

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S1		
Lab Sample ID:	185627-01	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**18.0**	mg/Kg		12/10/2018 20:45
Barium	**152**	mg/Kg		12/10/2018 20:45
Beryllium	**0.751**	mg/Kg		12/10/2018 20:45
Cadmium	**1.96**	mg/Kg		12/10/2018 20:45
Chromium	**49.4**	mg/Kg	D	12/10/2018 20:45
Copper	**1510**	mg/Kg	M	12/10/2018 21:30
Lead	**347**	mg/Kg	M	12/10/2018 20:45
Manganese	**544**	mg/Kg		12/10/2018 20:45
Nickel	**33.4**	mg/Kg		12/10/2018 20:45
Selenium	**3.23**	mg/Kg	D	12/10/2018 20:45
Silver	**5.29**	mg/Kg		12/10/2018 20:45
Zinc	**1070**	mg/Kg	M	12/10/2018 21:30

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/6/2018
Data File: 181210B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.372**	mg/Kg		12/7/2018 12:12

Method Reference(s): EPA 7471B
Preparation Date: 12/7/2018
Data File: Hg181207A

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	**10.7**	ug/Kg	P	12/6/2018 14:26
4,4-DDE	**7.22**	ug/Kg		12/6/2018 14:26
4,4-DDT	**25.2**	ug/Kg		12/6/2018 14:26
Aldrin	< 4.84	ug/Kg		12/6/2018 14:26
alpha-BHC	< 4.84	ug/Kg		12/6/2018 14:26

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 55-S1
Lab Sample ID: 185627-01 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

beta-BHC	< 4.84	ug/Kg		12/6/2018	14:26
cis-Chlordane	**15.7**	ug/Kg	P	12/6/2018	14:26
delta-BHC	< 4.84	ug/Kg		12/6/2018	14:26
Dieldrin	**8.71**	ug/Kg		12/6/2018	14:26
Endosulfan I	< 4.84	ug/Kg		12/6/2018	14:26
Endosulfan II	**11.9**	ug/Kg	P	12/6/2018	14:26
Endosulfan Sulfate	**33.4**	ug/Kg	P	12/6/2018	14:26
Endrin	< 4.84	ug/Kg		12/6/2018	14:26
Endrin Aldehyde	**6.12**	ug/Kg	P	12/6/2018	14:26
Endrin Ketone	< 4.84	ug/Kg		12/6/2018	14:26
gamma-BHC (Lindane)	< 4.84	ug/Kg		12/6/2018	14:26
Heptachlor	< 4.84	ug/Kg		12/6/2018	14:26
Heptachlor Epoxide	< 4.84	ug/Kg		12/6/2018	14:26
Methoxychlor	**12.0**	ug/Kg	P	12/6/2018	14:26
Toxaphene	< 48.4	ug/Kg		12/6/2018	14:26
trans-Chlordane	**7.09**	ug/Kg	P	12/6/2018	14:26

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl (1)	**84.5**	26.5 - 142		12/6/2018	14:26
Tetrachloro-m-xylene (1)	**55.6**	28.8 - 104		12/6/2018	14:26

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 12/5/2018

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1-Biphenyl	< 447	ug/Kg		12/6/2018	16:54
1,2,4,5-Tetrachlorobenzene	< 447	ug/Kg		12/6/2018	16:54
1,2,4-Trichlorobenzene	< 447	ug/Kg		12/6/2018	16:54
1,2-Dichlorobenzene	< 447	ug/Kg		12/6/2018	16:54
1,3-Dichlorobenzene	< 447	ug/Kg		12/6/2018	16:54
1,4-Dichlorobenzene	< 447	ug/Kg		12/6/2018	16:54
2,2-Oxybis (1-chloropropane)	< 447	ug/Kg		12/6/2018	16:54
2,3,4,6-Tetrachlorophenol	< 447	ug/Kg		12/6/2018	16:54

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S1		
Lab Sample ID:	185627-01	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

2,4,5-Trichlorophenol	< 447	ug/Kg	12/6/2018	16:54
2,4,6-Trichlorophenol	< 447	ug/Kg	12/6/2018	16:54
2,4-Dichlorophenol	< 447	ug/Kg	12/6/2018	16:54
2,4-Dimethylphenol	< 447	ug/Kg	12/6/2018	16:54
2,4-Dinitrophenol	< 1790	ug/Kg	12/6/2018	16:54
2,4-Dinitrotoluene	< 447	ug/Kg	12/6/2018	16:54
2,6-Dinitrotoluene	< 447	ug/Kg	12/6/2018	16:54
2-Chloronaphthalene	< 447	ug/Kg	12/6/2018	16:54
2-Chlorophenol	< 447	ug/Kg	12/6/2018	16:54
2-Methylnapthalene	< 447	ug/Kg	12/6/2018	16:54
2-Methylphenol	< 447	ug/Kg	12/6/2018	16:54
2-Nitroaniline	< 447	ug/Kg	12/6/2018	16:54
2-Nitrophenol	< 447	ug/Kg	12/6/2018	16:54
3&4-Methylphenol	< 447	ug/Kg	12/6/2018	16:54
3,3'-Dichlorobenzidine	< 447	ug/Kg	12/6/2018	16:54
3-Nitroaniline	< 447	ug/Kg	12/6/2018	16:54
4,6-Dinitro-2-methylphenol	< 598	ug/Kg	12/6/2018	16:54
4-Bromophenyl phenyl ether	< 447	ug/Kg	12/6/2018	16:54
4-Chloro-3-methylphenol	< 447	ug/Kg	12/6/2018	16:54
4-Chloroaniline	< 447	ug/Kg	12/6/2018	16:54
4-Chlorophenyl phenyl ether	< 447	ug/Kg	12/6/2018	16:54
4-Nitroaniline	< 447	ug/Kg	12/6/2018	16:54
4-Nitrophenol	< 447	ug/Kg	12/6/2018	16:54
Acenaphthene	< 447	ug/Kg	12/6/2018	16:54
Acenaphthylene	< 447	ug/Kg	12/6/2018	16:54
Acetophenone	< 447	ug/Kg	12/6/2018	16:54
Anthracene	**675**	ug/Kg	12/6/2018	16:54
Atrazine	< 447	ug/Kg	12/6/2018	16:54
Benzaldehyde	< 447	ug/Kg	12/6/2018	16:54
Benzo (a) anthracene	**2010**	ug/Kg	12/6/2018	16:54
Benzo (a) pyrene	**1750**	ug/Kg	12/6/2018	16:54
Benzo (b) fluoranthene	**2040**	ug/Kg	12/6/2018	16:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 55-S1
Lab Sample ID: 185627-01 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Benzo (g,h,i) perylene	**1100**	ug/Kg	12/6/2018	16:54
Benzo (k) fluoranthene	**1340**	ug/Kg	12/6/2018	16:54
Bis (2-chloroethoxy) methane	< 447	ug/Kg	12/6/2018	16:54
Bis (2-chloroethyl) ether	< 447	ug/Kg	12/6/2018	16:54
Bis (2-ethylhexyl) phthalate	**8390**	ug/Kg	12/6/2018	16:54
Butylbenzylphthalate	< 447	ug/Kg	12/6/2018	16:54
Caprolactam	< 447	ug/Kg	12/6/2018	16:54
Carbazole	< 447	ug/Kg	12/6/2018	16:54
Chrysene	**2150**	ug/Kg	12/6/2018	16:54
Dibenz (a,h) anthracene	< 447	ug/Kg	12/6/2018	16:54
Dibenzofuran	< 447	ug/Kg	12/6/2018	16:54
Diethyl phthalate	< 447	ug/Kg	12/6/2018	16:54
Dimethyl phthalate	< 447	ug/Kg	12/6/2018	16:54
Di-n-butyl phthalate	< 447	ug/Kg	12/6/2018	16:54
Di-n-octylphthalate	< 447	ug/Kg	12/6/2018	16:54
Fluoranthene	**4290**	ug/Kg	12/6/2018	16:54
Fluorene	< 447	ug/Kg	12/6/2018	16:54
Hexachlorobenzene	< 447	ug/Kg	12/6/2018	16:54
Hexachlorobutadiene	< 447	ug/Kg	12/6/2018	16:54
Hexachlorocyclopentadiene	< 1790	ug/Kg	12/6/2018	16:54
Hexachloroethane	< 447	ug/Kg	12/6/2018	16:54
Indeno (1,2,3-cd) pyrene	**1100**	ug/Kg	12/6/2018	16:54
Isophorone	< 447	ug/Kg	12/6/2018	16:54
Naphthalene	< 447	ug/Kg	12/6/2018	16:54
Nitrobenzene	< 447	ug/Kg	12/6/2018	16:54
N-Nitroso-di-n-propylamine	< 447	ug/Kg	12/6/2018	16:54
N-Nitrosodiphenylamine	< 447	ug/Kg	12/6/2018	16:54
Pentachlorophenol	< 894	ug/Kg	12/6/2018	16:54
Phenanthrene	**2860**	ug/Kg	12/6/2018	16:54
Phenol	< 447	ug/Kg	12/6/2018	16:54
Pyrene	**3220**	ug/Kg	12/6/2018	16:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 55-S1
Lab Sample ID: 185627-01 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**56.5**	30.6 - 97.9		12/6/2018	16:54
2-Fluorobiphenyl	**56.6**	33.5 - 88.9		12/6/2018	16:54
2-Fluorophenol	**56.0**	33.6 - 82.8		12/6/2018	16:54
Nitrobenzene-d5	**58.3**	27.7 - 84.2		12/6/2018	16:54
Phenol-d5	**60.0**	33.5 - 86.5		12/6/2018	16:54
Terphenyl-d14	**56.0**	43.7 - 104		12/6/2018	16:54

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 12/6/2018
Data File: B33923.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S2		
Lab Sample ID:	185627-02	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**18.8**	mg/Kg		12/10/2018 20:57
Barium	**181**	mg/Kg		12/10/2018 20:57
Beryllium	**0.649**	mg/Kg		12/10/2018 20:57
Cadmium	**1.55**	mg/Kg		12/10/2018 20:57
Chromium	**37.7**	mg/Kg		12/10/2018 20:57
Copper	**361**	mg/Kg		12/10/2018 20:57
Lead	**291**	mg/Kg		12/10/2018 20:57
Manganese	**516**	mg/Kg		12/10/2018 20:57
Nickel	**21.7**	mg/Kg		12/10/2018 20:57
Selenium	**2.10**	mg/Kg		12/10/2018 20:57
Silver	**4.29**	mg/Kg		12/10/2018 20:57
Zinc	**432**	mg/Kg		12/10/2018 20:57

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/6/2018
Data File: 181210B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.202**	mg/Kg		12/7/2018 12:15

Method Reference(s): EPA 7471B
Preparation Date: 12/7/2018
Data File: Hg181207A

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 19.3	ug/Kg		12/7/2018 15:35
4,4-DDE	**134**	ug/Kg		12/7/2018 15:35
4,4-DDT	**174**	ug/Kg		12/7/2018 15:35
Aldrin	< 19.3	ug/Kg		12/7/2018 15:35
alpha-BHC	< 19.3	ug/Kg		12/7/2018 15:35

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 55-S2
Lab Sample ID: 185627-02 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

beta-BHC	< 19.3	ug/Kg		12/7/2018	15:35
cis-Chlordane	**19.9**	ug/Kg		12/7/2018	15:35
delta-BHC	< 19.3	ug/Kg		12/7/2018	15:35
Dieldrin	**19.4**	ug/Kg		12/7/2018	15:35
Endosulfan I	< 19.3	ug/Kg		12/7/2018	15:35
Endosulfan II	< 19.3	ug/Kg		12/7/2018	15:35
Endosulfan Sulfate	**54.8**	ug/Kg	P	12/7/2018	15:35
Endrin	< 19.3	ug/Kg		12/7/2018	15:35
Endrin Aldehyde	< 19.3	ug/Kg		12/7/2018	15:35
Endrin Ketone	< 19.3	ug/Kg		12/7/2018	15:35
gamma-BHC (Lindane)	< 19.3	ug/Kg		12/7/2018	15:35
Heptachlor	< 19.3	ug/Kg		12/7/2018	15:35
Heptachlor Epoxide	**19.9**	ug/Kg		12/7/2018	15:35
Methoxychlor	**46.0**	ug/Kg		12/7/2018	15:35
Toxaphene	< 193	ug/Kg		12/7/2018	15:35
trans-Chlordane	< 19.3	ug/Kg		12/7/2018	15:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl (1)	**169**	26.5 - 142	*	12/7/2018	15:35
Tetrachloro-m-xylene (1)	**70.0**	28.8 - 104		12/7/2018	15:35

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 12/5/2018

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1-Biphenyl	< 374	ug/Kg		12/6/2018	17:24
1,2,4,5-Tetrachlorobenzene	< 374	ug/Kg		12/6/2018	17:24
1,2,4-Trichlorobenzene	< 374	ug/Kg		12/6/2018	17:24
1,2-Dichlorobenzene	< 374	ug/Kg		12/6/2018	17:24
1,3-Dichlorobenzene	< 374	ug/Kg		12/6/2018	17:24
1,4-Dichlorobenzene	< 374	ug/Kg		12/6/2018	17:24
2,2-Oxybis (1-chloropropane)	< 374	ug/Kg		12/6/2018	17:24
2,3,4,6-Tetrachlorophenol	< 374	ug/Kg		12/6/2018	17:24

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S2		
Lab Sample ID:	185627-02	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

2,4,5-Trichlorophenol	< 374	ug/Kg	12/6/2018	17:24
2,4,6-Trichlorophenol	< 374	ug/Kg	12/6/2018	17:24
2,4-Dichlorophenol	< 374	ug/Kg	12/6/2018	17:24
2,4-Dimethylphenol	< 374	ug/Kg	12/6/2018	17:24
2,4-Dinitrophenol	< 1500	ug/Kg	12/6/2018	17:24
2,4-Dinitrotoluene	< 374	ug/Kg	12/6/2018	17:24
2,6-Dinitrotoluene	< 374	ug/Kg	12/6/2018	17:24
2-Chloronaphthalene	< 374	ug/Kg	12/6/2018	17:24
2-Chlorophenol	< 374	ug/Kg	12/6/2018	17:24
2-Methylnapthalene	**383**	ug/Kg	12/6/2018	17:24
2-Methylphenol	< 374	ug/Kg	12/6/2018	17:24
2-Nitroaniline	< 374	ug/Kg	12/6/2018	17:24
2-Nitrophenol	< 374	ug/Kg	12/6/2018	17:24
3&4-Methylphenol	< 374	ug/Kg	12/6/2018	17:24
3,3'-Dichlorobenzidine	< 374	ug/Kg	12/6/2018	17:24
3-Nitroaniline	< 374	ug/Kg	12/6/2018	17:24
4,6-Dinitro-2-methylphenol	< 500	ug/Kg	12/6/2018	17:24
4-Bromophenyl phenyl ether	< 374	ug/Kg	12/6/2018	17:24
4-Chloro-3-methylphenol	< 374	ug/Kg	12/6/2018	17:24
4-Chloroaniline	< 374	ug/Kg	12/6/2018	17:24
4-Chlorophenyl phenyl ether	< 374	ug/Kg	12/6/2018	17:24
4-Nitroaniline	< 374	ug/Kg	12/6/2018	17:24
4-Nitrophenol	< 374	ug/Kg	12/6/2018	17:24
Acenaphthene	< 374	ug/Kg	12/6/2018	17:24
Acenaphthylene	< 374	ug/Kg	12/6/2018	17:24
Acetophenone	< 374	ug/Kg	12/6/2018	17:24
Anthracene	**647**	ug/Kg	12/6/2018	17:24
Atrazine	< 374	ug/Kg	12/6/2018	17:24
Benzaldehyde	< 374	ug/Kg	12/6/2018	17:24
Benzo (a) anthracene	**2040**	ug/Kg	12/6/2018	17:24
Benzo (a) pyrene	**1850**	ug/Kg	12/6/2018	17:24
Benzo (b) fluoranthene	**2250**	ug/Kg	12/6/2018	17:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S2		
Lab Sample ID:	185627-02	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Benzo (g,h,i) perylene	**1240**	ug/Kg	12/6/2018	17:24
Benzo (k) fluoranthene	**1350**	ug/Kg	12/6/2018	17:24
Bis (2-chloroethoxy) methane	< 374	ug/Kg	12/6/2018	17:24
Bis (2-chloroethyl) ether	< 374	ug/Kg	12/6/2018	17:24
Bis (2-ethylhexyl) phthalate	**1530**	ug/Kg	12/6/2018	17:24
Butylbenzylphthalate	< 374	ug/Kg	12/6/2018	17:24
Caprolactam	< 374	ug/Kg	12/6/2018	17:24
Carbazole	< 374	ug/Kg	12/6/2018	17:24
Chrysene	**2280**	ug/Kg	12/6/2018	17:24
Dibenz (a,h) anthracene	< 374	ug/Kg	12/6/2018	17:24
Dibenzofuran	< 374	ug/Kg	12/6/2018	17:24
Diethyl phthalate	< 374	ug/Kg	12/6/2018	17:24
Dimethyl phthalate	< 374	ug/Kg	12/6/2018	17:24
Di-n-butyl phthalate	**418**	ug/Kg	12/6/2018	17:24
Di-n-octylphthalate	< 374	ug/Kg	12/6/2018	17:24
Fluoranthene	**4480**	ug/Kg	12/6/2018	17:24
Fluorene	< 374	ug/Kg	12/6/2018	17:24
Hexachlorobenzene	< 374	ug/Kg	12/6/2018	17:24
Hexachlorobutadiene	< 374	ug/Kg	12/6/2018	17:24
Hexachlorocyclopentadiene	< 1500	ug/Kg	12/6/2018	17:24
Hexachloroethane	< 374	ug/Kg	12/6/2018	17:24
Indeno (1,2,3-cd) pyrene	**1210**	ug/Kg	12/6/2018	17:24
Isophorone	< 374	ug/Kg	12/6/2018	17:24
Naphthalene	< 374	ug/Kg	12/6/2018	17:24
Nitrobenzene	< 374	ug/Kg	12/6/2018	17:24
N-Nitroso-di-n-propylamine	< 374	ug/Kg	12/6/2018	17:24
N-Nitrosodiphenylamine	< 374	ug/Kg	12/6/2018	17:24
Pentachlorophenol	< 748	ug/Kg	12/6/2018	17:24
Phenanthrene	**3150**	ug/Kg	12/6/2018	17:24
Phenol	< 374	ug/Kg	12/6/2018	17:24
Pyrene	**3580**	ug/Kg	12/6/2018	17:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 55-S2
Lab Sample ID: 185627-02 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**68.4**	30.6 - 97.9		12/6/2018 17:24
2-Fluorobiphenyl	**57.6**	33.5 - 88.9		12/6/2018 17:24
2-Fluorophenol	**54.0**	33.6 - 82.8		12/6/2018 17:24
Nitrobenzene-d5	**59.5**	27.7 - 84.2		12/6/2018 17:24
Phenol-d5	**59.8**	33.5 - 86.5		12/6/2018 17:24
Terphenyl-d14	**63.7**	43.7 - 104		12/6/2018 17:24

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 12/6/2018
Data File: B33924.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S3		
Lab Sample ID:	185627-03	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**10.9**	mg/Kg		12/10/2018 21:01
Barium	**147**	mg/Kg		12/10/2018 21:01
Beryllium	**0.410**	mg/Kg		12/10/2018 21:01
Cadmium	**0.653**	mg/Kg		12/10/2018 21:01
Chromium	**16.1**	mg/Kg		12/10/2018 21:01
Copper	**47.0**	mg/Kg		12/10/2018 21:01
Lead	**112**	mg/Kg		12/10/2018 21:01
Manganese	**380**	mg/Kg		12/10/2018 21:01
Nickel	**15.1**	mg/Kg		12/10/2018 21:01
Selenium	**1.50**	mg/Kg		12/10/2018 21:01
Silver	**3.36**	mg/Kg		12/10/2018 21:01
Zinc	**146**	mg/Kg		12/10/2018 21:01

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/6/2018
Data File: 181210B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.228**	mg/Kg		12/7/2018 12:18

Method Reference(s): EPA 7471B
Preparation Date: 12/7/2018
Data File: Hg181207A

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.50	ug/Kg		12/6/2018 14:57
4,4-DDE	< 3.50	ug/Kg		12/6/2018 14:57
4,4-DDT	< 3.50	ug/Kg		12/6/2018 14:57
Aldrin	< 3.50	ug/Kg		12/6/2018 14:57
alpha-BHC	< 3.50	ug/Kg		12/6/2018 14:57

Sample Identifier: 55-S3
Lab Sample ID: 185627-03 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

beta-BHC	< 3.50	ug/Kg		12/6/2018	14:57
cis-Chlordane	**7.19**	ug/Kg		12/6/2018	14:57
delta-BHC	< 3.50	ug/Kg		12/6/2018	14:57
Dieldrin	**4.15**	ug/Kg	P	12/6/2018	14:57
Endosulfan I	< 3.50	ug/Kg		12/6/2018	14:57
Endosulfan II	< 3.50	ug/Kg		12/6/2018	14:57
Endosulfan Sulfate	**10.7**	ug/Kg	P	12/6/2018	14:57
Endrin	< 3.50	ug/Kg		12/6/2018	14:57
Endrin Aldehyde	< 3.50	ug/Kg		12/6/2018	14:57
Endrin Ketone	**4.03**	ug/Kg		12/6/2018	14:57
gamma-BHC (Lindane)	< 3.50	ug/Kg		12/6/2018	14:57
Heptachlor	< 3.50	ug/Kg		12/6/2018	14:57
Heptachlor Epoxide	**5.24**	ug/Kg		12/6/2018	14:57
Methoxychlor	**6.75**	ug/Kg	P	12/6/2018	14:57
Toxaphene	< 35.0	ug/Kg		12/6/2018	14:57
trans-Chlordane	< 3.50	ug/Kg		12/6/2018	14:57

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl (1)	**91.8**	26.5 - 142		12/6/2018	14:57
Tetrachloro-m-xylene (1)	**64.8**	28.8 - 104		12/6/2018	14:57

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 12/5/2018

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1-Biphenyl	< 328	ug/Kg		12/6/2018	17:54
1,2,4,5-Tetrachlorobenzene	< 328	ug/Kg		12/6/2018	17:54
1,2,4-Trichlorobenzene	< 328	ug/Kg		12/6/2018	17:54
1,2-Dichlorobenzene	< 328	ug/Kg		12/6/2018	17:54
1,3-Dichlorobenzene	< 328	ug/Kg		12/6/2018	17:54
1,4-Dichlorobenzene	< 328	ug/Kg		12/6/2018	17:54
2,2-Oxybis (1-chloropropane)	< 328	ug/Kg		12/6/2018	17:54
2,3,4,6-Tetrachlorophenol	< 328	ug/Kg		12/6/2018	17:54

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S3		
Lab Sample ID:	185627-03	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

2,4,5-Trichlorophenol	< 328	ug/Kg	12/6/2018	17:54
2,4,6-Trichlorophenol	< 328	ug/Kg	12/6/2018	17:54
2,4-Dichlorophenol	< 328	ug/Kg	12/6/2018	17:54
2,4-Dimethylphenol	< 328	ug/Kg	12/6/2018	17:54
2,4-Dinitrophenol	< 1310	ug/Kg	12/6/2018	17:54
2,4-Dinitrotoluene	< 328	ug/Kg	12/6/2018	17:54
2,6-Dinitrotoluene	< 328	ug/Kg	12/6/2018	17:54
2-Chloronaphthalene	< 328	ug/Kg	12/6/2018	17:54
2-Chlorophenol	< 328	ug/Kg	12/6/2018	17:54
2-Methylnapthalene	< 328	ug/Kg	12/6/2018	17:54
2-Methylphenol	< 328	ug/Kg	12/6/2018	17:54
2-Nitroaniline	< 328	ug/Kg	12/6/2018	17:54
2-Nitrophenol	< 328	ug/Kg	12/6/2018	17:54
3&4-Methylphenol	< 328	ug/Kg	12/6/2018	17:54
3,3'-Dichlorobenzidine	< 328	ug/Kg	12/6/2018	17:54
3-Nitroaniline	< 328	ug/Kg	12/6/2018	17:54
4,6-Dinitro-2-methylphenol	< 439	ug/Kg	12/6/2018	17:54
4-Bromophenyl phenyl ether	< 328	ug/Kg	12/6/2018	17:54
4-Chloro-3-methylphenol	< 328	ug/Kg	12/6/2018	17:54
4-Chloroaniline	< 328	ug/Kg	12/6/2018	17:54
4-Chlorophenyl phenyl ether	< 328	ug/Kg	12/6/2018	17:54
4-Nitroaniline	< 328	ug/Kg	12/6/2018	17:54
4-Nitrophenol	< 328	ug/Kg	12/6/2018	17:54
Acenaphthene	< 328	ug/Kg	12/6/2018	17:54
Acenaphthylene	< 328	ug/Kg	12/6/2018	17:54
Acetophenone	< 328	ug/Kg	12/6/2018	17:54
Anthracene	< 328	ug/Kg	12/6/2018	17:54
Atrazine	< 328	ug/Kg	12/6/2018	17:54
Benzaldehyde	< 328	ug/Kg	12/6/2018	17:54
Benzo (a) anthracene	**756**	ug/Kg	12/6/2018	17:54
Benzo (a) pyrene	**690**	ug/Kg	12/6/2018	17:54
Benzo (b) fluoranthene	**850**	ug/Kg	12/6/2018	17:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	55-S3		
Lab Sample ID:	185627-03	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Benzo (g,h,i) perylene	**476**	ug/Kg	12/6/2018	17:54
Benzo (k) fluoranthene	**625**	ug/Kg	12/6/2018	17:54
Bis (2-chloroethoxy) methane	< 328	ug/Kg	12/6/2018	17:54
Bis (2-chloroethyl) ether	< 328	ug/Kg	12/6/2018	17:54
Bis (2-ethylhexyl) phthalate	< 328	ug/Kg	12/6/2018	17:54
Butylbenzylphthalate	< 328	ug/Kg	12/6/2018	17:54
Caprolactam	< 328	ug/Kg	12/6/2018	17:54
Carbazole	< 328	ug/Kg	12/6/2018	17:54
Chrysene	**845**	ug/Kg	12/6/2018	17:54
Dibenz (a,h) anthracene	< 328	ug/Kg	12/6/2018	17:54
Dibenzofuran	< 328	ug/Kg	12/6/2018	17:54
Diethyl phthalate	< 328	ug/Kg	12/6/2018	17:54
Dimethyl phthalate	< 328	ug/Kg	12/6/2018	17:54
Di-n-butyl phthalate	< 328	ug/Kg	12/6/2018	17:54
Di-n-octylphthalate	< 328	ug/Kg	12/6/2018	17:54
Fluoranthene	**1650**	ug/Kg	12/6/2018	17:54
Fluorene	< 328	ug/Kg	12/6/2018	17:54
Hexachlorobenzene	< 328	ug/Kg	12/6/2018	17:54
Hexachlorobutadiene	< 328	ug/Kg	12/6/2018	17:54
Hexachlorocyclopentadiene	< 1310	ug/Kg	12/6/2018	17:54
Hexachloroethane	< 328	ug/Kg	12/6/2018	17:54
Indeno (1,2,3-cd) pyrene	**467**	ug/Kg	12/6/2018	17:54
Isophorone	< 328	ug/Kg	12/6/2018	17:54
Naphthalene	< 328	ug/Kg	12/6/2018	17:54
Nitrobenzene	< 328	ug/Kg	12/6/2018	17:54
N-Nitroso-di-n-propylamine	< 328	ug/Kg	12/6/2018	17:54
N-Nitrosodiphenylamine	< 328	ug/Kg	12/6/2018	17:54
Pentachlorophenol	< 657	ug/Kg	12/6/2018	17:54
Phenanthrene	**956**	ug/Kg	12/6/2018	17:54
Phenol	< 328	ug/Kg	12/6/2018	17:54
Pyrene	**1290**	ug/Kg	12/6/2018	17:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 55-S3
Lab Sample ID: 185627-03 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**83.9**	30.6 - 97.9		12/6/2018 17:54
2-Fluorobiphenyl	**70.3**	33.5 - 88.9		12/6/2018 17:54
2-Fluorophenol	**71.0**	33.6 - 82.8		12/6/2018 17:54
Nitrobenzene-d5	**67.9**	27.7 - 84.2		12/6/2018 17:54
Phenol-d5	**75.9**	33.5 - 86.5		12/6/2018 17:54
Terphenyl-d14	**79.4**	43.7 - 104		12/6/2018 17:54

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 12/6/2018
Data File: B33925.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S1		
Lab Sample ID:	185627-04	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**10.7**	mg/Kg		12/10/2018 21:06
Barium	**156**	mg/Kg		12/10/2018 21:06
Beryllium	**0.493**	mg/Kg		12/10/2018 21:06
Cadmium	**8.47**	mg/Kg		12/10/2018 21:06
Chromium	**18.1**	mg/Kg		12/10/2018 21:06
Copper	**57.4**	mg/Kg		12/10/2018 21:06
Lead	**18.5**	mg/Kg		12/10/2018 21:06
Manganese	**963**	mg/Kg		12/10/2018 21:43
Nickel	**21.9**	mg/Kg		12/10/2018 21:06
Selenium	< 1.31	mg/Kg		12/10/2018 21:06
Silver	**3.41**	mg/Kg		12/10/2018 21:06
Zinc	**93.5**	mg/Kg		12/10/2018 21:06

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/6/2018
Data File: 181210B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0601**	mg/Kg		12/7/2018 12:20

Method Reference(s): EPA 7471B
Preparation Date: 12/7/2018
Data File: Hg181207A

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.77	ug/Kg		12/6/2018 15:12
4,4-DDE	< 3.77	ug/Kg		12/6/2018 15:12
4,4-DDT	< 3.77	ug/Kg		12/6/2018 15:12
Aldrin	< 3.77	ug/Kg		12/6/2018 15:12
alpha-BHC	< 3.77	ug/Kg		12/6/2018 15:12

Sample Identifier: 53-S1
Lab Sample ID: 185627-04 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

beta-BHC	< 3.77	ug/Kg		12/6/2018	15:12
cis-Chlordane	**11.9**	ug/Kg		12/6/2018	15:12
delta-BHC	< 3.77	ug/Kg		12/6/2018	15:12
Dieldrin	**4.08**	ug/Kg	P	12/6/2018	15:12
Endosulfan I	< 3.77	ug/Kg		12/6/2018	15:12
Endosulfan II	< 3.77	ug/Kg		12/6/2018	15:12
Endosulfan Sulfate	**20.0**	ug/Kg	P	12/6/2018	15:12
Endrin	< 3.77	ug/Kg		12/6/2018	15:12
Endrin Aldehyde	**6.88**	ug/Kg		12/6/2018	15:12
Endrin Ketone	**6.39**	ug/Kg		12/6/2018	15:12
gamma-BHC (Lindane)	< 3.77	ug/Kg		12/6/2018	15:12
Heptachlor	< 3.77	ug/Kg		12/6/2018	15:12
Heptachlor Epoxide	**7.37**	ug/Kg		12/6/2018	15:12
Methoxychlor	**11.0**	ug/Kg	P	12/6/2018	15:12
Toxaphene	< 37.7	ug/Kg		12/6/2018	15:12
trans-Chlordane	< 3.77	ug/Kg		12/6/2018	15:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl (1)	**125**	26.5 - 142		12/6/2018	15:12
Tetrachloro-m-xylene (1)	**65.0**	28.8 - 104		12/6/2018	15:12

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 12/5/2018

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1-Biphenyl	< 363	ug/Kg		12/6/2018	18:24
1,2,4,5-Tetrachlorobenzene	< 363	ug/Kg		12/6/2018	18:24
1,2,4-Trichlorobenzene	< 363	ug/Kg		12/6/2018	18:24
1,2-Dichlorobenzene	< 363	ug/Kg		12/6/2018	18:24
1,3-Dichlorobenzene	< 363	ug/Kg		12/6/2018	18:24
1,4-Dichlorobenzene	< 363	ug/Kg		12/6/2018	18:24
2,2-Oxybis (1-chloropropane)	< 363	ug/Kg		12/6/2018	18:24
2,3,4,6-Tetrachlorophenol	< 363	ug/Kg		12/6/2018	18:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S1		
Lab Sample ID:	185627-04	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

2,4,5-Trichlorophenol	< 363	ug/Kg	12/6/2018	18:24
2,4,6-Trichlorophenol	< 363	ug/Kg	12/6/2018	18:24
2,4-Dichlorophenol	< 363	ug/Kg	12/6/2018	18:24
2,4-Dimethylphenol	< 363	ug/Kg	12/6/2018	18:24
2,4-Dinitrophenol	< 1450	ug/Kg	12/6/2018	18:24
2,4-Dinitrotoluene	< 363	ug/Kg	12/6/2018	18:24
2,6-Dinitrotoluene	< 363	ug/Kg	12/6/2018	18:24
2-Chloronaphthalene	< 363	ug/Kg	12/6/2018	18:24
2-Chlorophenol	< 363	ug/Kg	12/6/2018	18:24
2-Methylnapthalene	< 363	ug/Kg	12/6/2018	18:24
2-Methylphenol	< 363	ug/Kg	12/6/2018	18:24
2-Nitroaniline	< 363	ug/Kg	12/6/2018	18:24
2-Nitrophenol	< 363	ug/Kg	12/6/2018	18:24
3&4-Methylphenol	< 363	ug/Kg	12/6/2018	18:24
3,3'-Dichlorobenzidine	< 363	ug/Kg	12/6/2018	18:24
3-Nitroaniline	< 363	ug/Kg	12/6/2018	18:24
4,6-Dinitro-2-methylphenol	< 486	ug/Kg	12/6/2018	18:24
4-Bromophenyl phenyl ether	< 363	ug/Kg	12/6/2018	18:24
4-Chloro-3-methylphenol	< 363	ug/Kg	12/6/2018	18:24
4-Chloroaniline	< 363	ug/Kg	12/6/2018	18:24
4-Chlorophenyl phenyl ether	< 363	ug/Kg	12/6/2018	18:24
4-Nitroaniline	< 363	ug/Kg	12/6/2018	18:24
4-Nitrophenol	< 363	ug/Kg	12/6/2018	18:24
Acenaphthene	< 363	ug/Kg	12/6/2018	18:24
Acenaphthylene	< 363	ug/Kg	12/6/2018	18:24
Acetophenone	< 363	ug/Kg	12/6/2018	18:24
Anthracene	< 363	ug/Kg	12/6/2018	18:24
Atrazine	< 363	ug/Kg	12/6/2018	18:24
Benzaldehyde	< 363	ug/Kg	12/6/2018	18:24
Benzo (a) anthracene	**688**	ug/Kg	12/6/2018	18:24
Benzo (a) pyrene	**632**	ug/Kg	12/6/2018	18:24
Benzo (b) fluoranthene	**627**	ug/Kg	12/6/2018	18:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S1		
Lab Sample ID:	185627-04	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Benzo (g,h,i) perylene	**372**	ug/Kg	12/6/2018	18:24
Benzo (k) fluoranthene	**490**	ug/Kg	12/6/2018	18:24
Bis (2-chloroethoxy) methane	< 363	ug/Kg	12/6/2018	18:24
Bis (2-chloroethyl) ether	< 363	ug/Kg	12/6/2018	18:24
Bis (2-ethylhexyl) phthalate	< 363	ug/Kg	12/6/2018	18:24
Butylbenzylphthalate	< 363	ug/Kg	12/6/2018	18:24
Caprolactam	< 363	ug/Kg	12/6/2018	18:24
Carbazole	< 363	ug/Kg	12/6/2018	18:24
Chrysene	**626**	ug/Kg	12/6/2018	18:24
Dibenz (a,h) anthracene	< 363	ug/Kg	12/6/2018	18:24
Dibenzofuran	< 363	ug/Kg	12/6/2018	18:24
Diethyl phthalate	< 363	ug/Kg	12/6/2018	18:24
Dimethyl phthalate	< 363	ug/Kg	12/6/2018	18:24
Di-n-butyl phthalate	< 363	ug/Kg	12/6/2018	18:24
Di-n-octylphthalate	< 363	ug/Kg	12/6/2018	18:24
Fluoranthene	**1260**	ug/Kg	12/6/2018	18:24
Fluorene	< 363	ug/Kg	12/6/2018	18:24
Hexachlorobenzene	< 363	ug/Kg	12/6/2018	18:24
Hexachlorobutadiene	< 363	ug/Kg	12/6/2018	18:24
Hexachlorocyclopentadiene	< 1450	ug/Kg	12/6/2018	18:24
Hexachloroethane	< 363	ug/Kg	12/6/2018	18:24
Indeno (1,2,3-cd) pyrene	**515**	ug/Kg	12/6/2018	18:24
Isophorone	< 363	ug/Kg	12/6/2018	18:24
Naphthalene	< 363	ug/Kg	12/6/2018	18:24
Nitrobenzene	< 363	ug/Kg	12/6/2018	18:24
N-Nitroso-di-n-propylamine	< 363	ug/Kg	12/6/2018	18:24
N-Nitrosodiphenylamine	< 363	ug/Kg	12/6/2018	18:24
Pentachlorophenol	< 727	ug/Kg	12/6/2018	18:24
Phenanthrene	**828**	ug/Kg	12/6/2018	18:24
Phenol	< 363	ug/Kg	12/6/2018	18:24
Pyrene	**1030**	ug/Kg	12/6/2018	18:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 53-S1
Lab Sample ID: 185627-04 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**74.7**	30.6 - 97.9		12/6/2018	18:24
2-Fluorobiphenyl	**71.7**	33.5 - 88.9		12/6/2018	18:24
2-Fluorophenol	**70.4**	33.6 - 82.8		12/6/2018	18:24
Nitrobenzene-d5	**73.2**	27.7 - 84.2		12/6/2018	18:24
Phenol-d5	**74.2**	33.5 - 86.5		12/6/2018	18:24
Terphenyl-d14	**80.9**	43.7 - 104		12/6/2018	18:24

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 12/6/2018
Data File: B33926.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S2		
Lab Sample ID:	185627-05	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**11.8**	mg/Kg		12/10/2018 21:09
Barium	**154**	mg/Kg		12/10/2018 21:09
Beryllium	**0.617**	mg/Kg		12/10/2018 21:09
Cadmium	**1.74**	mg/Kg		12/10/2018 21:09
Chromium	**39.4**	mg/Kg		12/10/2018 21:09
Copper	**2260**	mg/Kg		12/10/2018 21:47
Lead	**95.6**	mg/Kg		12/10/2018 21:09
Manganese	**564**	mg/Kg		12/10/2018 21:09
Nickel	**42.1**	mg/Kg		12/10/2018 21:09
Selenium	**2.46**	mg/Kg		12/10/2018 21:09
Silver	**4.62**	mg/Kg		12/10/2018 21:09
Zinc	**1610**	mg/Kg		12/10/2018 21:47

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/6/2018
Data File: 181210B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0854**	mg/Kg		12/7/2018 12:23

Method Reference(s): EPA 7471B
Preparation Date: 12/7/2018
Data File: Hg181207A

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.42	ug/Kg		12/6/2018 15:28
4,4-DDE	**3.47**	ug/Kg	P	12/6/2018 15:28
4,4-DDT	< 3.42	ug/Kg		12/6/2018 15:28
Aldrin	< 3.42	ug/Kg		12/6/2018 15:28
alpha-BHC	< 3.42	ug/Kg		12/6/2018 15:28

Sample Identifier:	53-S2		
Lab Sample ID:	185627-05	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

beta-BHC	< 3.42	ug/Kg		12/6/2018	15:28
cis-Chlordane	**3.62**	ug/Kg		12/6/2018	15:28
delta-BHC	**6.04**	ug/Kg		12/6/2018	15:28
Dieldrin	**4.08**	ug/Kg	P	12/6/2018	15:28
Endosulfan I	< 3.42	ug/Kg		12/6/2018	15:28
Endosulfan II	**4.52**	ug/Kg		12/6/2018	15:28
Endosulfan Sulfate	< 3.42	ug/Kg		12/6/2018	15:28
Endrin	< 3.42	ug/Kg		12/6/2018	15:28
Endrin Aldehyde	< 3.42	ug/Kg		12/6/2018	15:28
Endrin Ketone	< 3.42	ug/Kg		12/6/2018	15:28
gamma-BHC (Lindane)	< 3.42	ug/Kg		12/6/2018	15:28
Heptachlor	< 3.42	ug/Kg		12/6/2018	15:28
Heptachlor Epoxide	**12.0**	ug/Kg		12/6/2018	15:28
Methoxychlor	< 3.42	ug/Kg		12/6/2018	15:28
Toxaphene	< 34.2	ug/Kg		12/6/2018	15:28
trans-Chlordane	**9.73**	ug/Kg		12/6/2018	15:28

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl (1)	**31.1**	26.5 - 142		12/6/2018	15:28
Tetrachloro-m-xylene (1)	**49.2**	28.8 - 104		12/6/2018	15:28

Method Reference(s): EPA 8081B
EPA 3546

Preparation Date: 12/5/2018

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1-Biphenyl	< 368	ug/Kg		12/6/2018	18:54
1,2,4,5-Tetrachlorobenzene	< 368	ug/Kg		12/6/2018	18:54
1,2,4-Trichlorobenzene	< 368	ug/Kg		12/6/2018	18:54
1,2-Dichlorobenzene	< 368	ug/Kg		12/6/2018	18:54
1,3-Dichlorobenzene	< 368	ug/Kg		12/6/2018	18:54
1,4-Dichlorobenzene	< 368	ug/Kg		12/6/2018	18:54
2,2-Oxybis (1-chloropropane)	< 368	ug/Kg		12/6/2018	18:54
2,3,4,6-Tetrachlorophenol	< 368	ug/Kg		12/6/2018	18:54

Sample Identifier:	53-S2		
Lab Sample ID:	185627-05	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

2,4,5-Trichlorophenol	< 368	ug/Kg	12/6/2018	18:54
2,4,6-Trichlorophenol	< 368	ug/Kg	12/6/2018	18:54
2,4-Dichlorophenol	< 368	ug/Kg	12/6/2018	18:54
2,4-Dimethylphenol	< 368	ug/Kg	12/6/2018	18:54
2,4-Dinitrophenol	< 1470	ug/Kg	12/6/2018	18:54
2,4-Dinitrotoluene	< 368	ug/Kg	12/6/2018	18:54
2,6-Dinitrotoluene	< 368	ug/Kg	12/6/2018	18:54
2-Chloronaphthalene	< 368	ug/Kg	12/6/2018	18:54
2-Chlorophenol	< 368	ug/Kg	12/6/2018	18:54
2-Methylnapthalene	**371**	ug/Kg	12/6/2018	18:54
2-Methylphenol	< 368	ug/Kg	12/6/2018	18:54
2-Nitroaniline	< 368	ug/Kg	12/6/2018	18:54
2-Nitrophenol	< 368	ug/Kg	12/6/2018	18:54
3&4-Methylphenol	< 368	ug/Kg	12/6/2018	18:54
3,3'-Dichlorobenzidine	< 368	ug/Kg	12/6/2018	18:54
3-Nitroaniline	< 368	ug/Kg	12/6/2018	18:54
4,6-Dinitro-2-methylphenol	< 492	ug/Kg	12/6/2018	18:54
4-Bromophenyl phenyl ether	< 368	ug/Kg	12/6/2018	18:54
4-Chloro-3-methylphenol	< 368	ug/Kg	12/6/2018	18:54
4-Chloroaniline	< 368	ug/Kg	12/6/2018	18:54
4-Chlorophenyl phenyl ether	< 368	ug/Kg	12/6/2018	18:54
4-Nitroaniline	< 368	ug/Kg	12/6/2018	18:54
4-Nitrophenol	< 368	ug/Kg	12/6/2018	18:54
Acenaphthene	**713**	ug/Kg	12/6/2018	18:54
Acenaphthylene	< 368	ug/Kg	12/6/2018	18:54
Acetophenone	< 368	ug/Kg	12/6/2018	18:54
Anthracene	< 368	ug/Kg	12/6/2018	18:54
Atrazine	< 368	ug/Kg	12/6/2018	18:54
Benzaldehyde	< 368	ug/Kg	12/6/2018	18:54
Benzo (a) anthracene	**772**	ug/Kg	12/6/2018	18:54
Benzo (a) pyrene	**719**	ug/Kg	12/6/2018	18:54
Benzo (b) fluoranthene	**892**	ug/Kg	12/6/2018	18:54

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S2		
Lab Sample ID:	185627-05	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Benzo (g,h,i) perylene	**534**	ug/Kg	12/6/2018	18:54
Benzo (k) fluoranthene	**499**	ug/Kg	12/6/2018	18:54
Bis (2-chloroethoxy) methane	< 368	ug/Kg	12/6/2018	18:54
Bis (2-chloroethyl) ether	< 368	ug/Kg	12/6/2018	18:54
Bis (2-ethylhexyl) phthalate	**4200**	ug/Kg	12/6/2018	18:54
Butylbenzylphthalate	< 368	ug/Kg	12/6/2018	18:54
Caprolactam	< 368	ug/Kg	12/6/2018	18:54
Carbazole	< 368	ug/Kg	12/6/2018	18:54
Chrysene	**853**	ug/Kg	12/6/2018	18:54
Dibenz (a,h) anthracene	< 368	ug/Kg	12/6/2018	18:54
Dibenzofuran	**389**	ug/Kg	12/6/2018	18:54
Diethyl phthalate	< 368	ug/Kg	12/6/2018	18:54
Dimethyl phthalate	< 368	ug/Kg	12/6/2018	18:54
Di-n-butyl phthalate	< 368	ug/Kg	12/6/2018	18:54
Di-n-octylphthalate	< 368	ug/Kg	12/6/2018	18:54
Fluoranthene	**1980**	ug/Kg	12/6/2018	18:54
Fluorene	< 368	ug/Kg	12/6/2018	18:54
Hexachlorobenzene	< 368	ug/Kg	12/6/2018	18:54
Hexachlorobutadiene	< 368	ug/Kg	12/6/2018	18:54
Hexachlorocyclopentadiene	< 1470	ug/Kg	12/6/2018	18:54
Hexachloroethane	< 368	ug/Kg	12/6/2018	18:54
Indeno (1,2,3-cd) pyrene	**534**	ug/Kg	12/6/2018	18:54
Isophorone	< 368	ug/Kg	12/6/2018	18:54
Naphthalene	< 368	ug/Kg	12/6/2018	18:54
Nitrobenzene	< 368	ug/Kg	12/6/2018	18:54
N-Nitroso-di-n-propylamine	< 368	ug/Kg	12/6/2018	18:54
N-Nitrosodiphenylamine	< 368	ug/Kg	12/6/2018	18:54
Pentachlorophenol	< 735	ug/Kg	12/6/2018	18:54
Phenanthrene	**1850**	ug/Kg	12/6/2018	18:54
Phenol	< 368	ug/Kg	12/6/2018	18:54
Pyrene	**1500**	ug/Kg	12/6/2018	18:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 53-S2
Lab Sample ID: 185627-05 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**77.9**	30.6 - 97.9		12/6/2018	18:54
2-Fluorobiphenyl	**67.5**	33.5 - 88.9		12/6/2018	18:54
2-Fluorophenol	**69.7**	33.6 - 82.8		12/6/2018	18:54
Nitrobenzene-d5	**67.2**	27.7 - 84.2		12/6/2018	18:54
Phenol-d5	**72.0**	33.5 - 86.5		12/6/2018	18:54
Terphenyl-d14	**79.8**	43.7 - 104		12/6/2018	18:54

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 12/6/2018
Data File: B33927.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S3		
Lab Sample ID:	185627-06	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**19.3**	mg/Kg		12/10/2018 21:22
Barium	**149**	mg/Kg		12/10/2018 21:22
Beryllium	**0.660**	mg/Kg		12/10/2018 21:22
Cadmium	**1.32**	mg/Kg		12/10/2018 21:22
Chromium	**25.7**	mg/Kg		12/10/2018 21:22
Copper	**151**	mg/Kg		12/10/2018 21:22
Lead	**431**	mg/Kg		12/10/2018 21:22
Manganese	**423**	mg/Kg		12/10/2018 21:22
Nickel	**19.4**	mg/Kg		12/10/2018 21:22
Selenium	**2.34**	mg/Kg		12/10/2018 21:22
Silver	**3.75**	mg/Kg		12/10/2018 21:22
Zinc	**240**	mg/Kg		12/10/2018 21:22

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/6/2018
Data File: 181210B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.360**	mg/Kg		12/7/2018 12:26

Method Reference(s): EPA 7471B
Preparation Date: 12/7/2018
Data File: Hg181207A

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.32	ug/Kg		12/6/2018 15:43
4,4-DDE	< 3.32	ug/Kg		12/6/2018 15:43
4,4-DDT	**3.78**	ug/Kg	P	12/6/2018 15:43
Aldrin	< 3.32	ug/Kg		12/6/2018 15:43
alpha-BHC	< 3.32	ug/Kg		12/6/2018 15:43

Sample Identifier:	53-S3		
Lab Sample ID:	185627-06	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

beta-BHC	< 3.32	ug/Kg		12/6/2018	15:43
cis-Chlordane	**9.03**	ug/Kg		12/6/2018	15:43
delta-BHC	< 3.32	ug/Kg		12/6/2018	15:43
Dieldrin	**6.05**	ug/Kg		12/6/2018	15:43
Endosulfan I	< 3.32	ug/Kg		12/6/2018	15:43
Endosulfan II	< 3.32	ug/Kg		12/6/2018	15:43
Endosulfan Sulfate	**13.0**	ug/Kg	P	12/6/2018	15:43
Endrin	< 3.32	ug/Kg		12/6/2018	15:43
Endrin Aldehyde	< 3.32	ug/Kg		12/6/2018	15:43
Endrin Ketone	< 3.32	ug/Kg		12/6/2018	15:43
gamma-BHC (Lindane)	< 3.32	ug/Kg		12/6/2018	15:43
Heptachlor	< 3.32	ug/Kg		12/6/2018	15:43
Heptachlor Epoxide	**6.73**	ug/Kg		12/6/2018	15:43
Methoxychlor	**8.46**	ug/Kg	P	12/6/2018	15:43
Toxaphene	< 33.2	ug/Kg		12/6/2018	15:43
trans-Chlordane	< 3.32	ug/Kg		12/6/2018	15:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl (1)	**81.2**	26.5 - 142		12/6/2018	15:43
Tetrachloro-m-xylene (1)	**52.3**	28.8 - 104		12/6/2018	15:43

Method Reference(s): EPA 8081B
EPA 3546

Preparation Date: 12/5/2018

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1-Biphenyl	< 346	ug/Kg		12/6/2018	19:24
1,2,4,5-Tetrachlorobenzene	< 346	ug/Kg		12/6/2018	19:24
1,2,4-Trichlorobenzene	< 346	ug/Kg		12/6/2018	19:24
1,2-Dichlorobenzene	< 346	ug/Kg		12/6/2018	19:24
1,3-Dichlorobenzene	< 346	ug/Kg		12/6/2018	19:24
1,4-Dichlorobenzene	< 346	ug/Kg		12/6/2018	19:24
2,2-Oxybis (1-chloropropane)	< 346	ug/Kg		12/6/2018	19:24
2,3,4,6-Tetrachlorophenol	< 346	ug/Kg		12/6/2018	19:24

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S3		
Lab Sample ID:	185627-06	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

2,4,5-Trichlorophenol	< 346	ug/Kg	12/6/2018	19:24
2,4,6-Trichlorophenol	< 346	ug/Kg	12/6/2018	19:24
2,4-Dichlorophenol	< 346	ug/Kg	12/6/2018	19:24
2,4-Dimethylphenol	< 346	ug/Kg	12/6/2018	19:24
2,4-Dinitrophenol	< 1380	ug/Kg	12/6/2018	19:24
2,4-Dinitrotoluene	< 346	ug/Kg	12/6/2018	19:24
2,6-Dinitrotoluene	< 346	ug/Kg	12/6/2018	19:24
2-Chloronaphthalene	< 346	ug/Kg	12/6/2018	19:24
2-Chlorophenol	< 346	ug/Kg	12/6/2018	19:24
2-Methylnapthalene	**571**	ug/Kg	12/6/2018	19:24
2-Methylphenol	< 346	ug/Kg	12/6/2018	19:24
2-Nitroaniline	< 346	ug/Kg	12/6/2018	19:24
2-Nitrophenol	< 346	ug/Kg	12/6/2018	19:24
3&4-Methylphenol	< 346	ug/Kg	12/6/2018	19:24
3,3'-Dichlorobenzidine	< 346	ug/Kg	12/6/2018	19:24
3-Nitroaniline	< 346	ug/Kg	12/6/2018	19:24
4,6-Dinitro-2-methylphenol	< 463	ug/Kg	12/6/2018	19:24
4-Bromophenyl phenyl ether	< 346	ug/Kg	12/6/2018	19:24
4-Chloro-3-methylphenol	< 346	ug/Kg	12/6/2018	19:24
4-Chloroaniline	< 346	ug/Kg	12/6/2018	19:24
4-Chlorophenyl phenyl ether	< 346	ug/Kg	12/6/2018	19:24
4-Nitroaniline	< 346	ug/Kg	12/6/2018	19:24
4-Nitrophenol	< 346	ug/Kg	12/6/2018	19:24
Acenaphthene	< 346	ug/Kg	12/6/2018	19:24
Acenaphthylene	< 346	ug/Kg	12/6/2018	19:24
Acetophenone	< 346	ug/Kg	12/6/2018	19:24
Anthracene	**470**	ug/Kg	12/6/2018	19:24
Atrazine	< 346	ug/Kg	12/6/2018	19:24
Benzaldehyde	< 346	ug/Kg	12/6/2018	19:24
Benzo (a) anthracene	**1490**	ug/Kg	12/6/2018	19:24
Benzo (a) pyrene	**1290**	ug/Kg	12/6/2018	19:24
Benzo (b) fluoranthene	**1590**	ug/Kg	12/6/2018	19:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S3		
Lab Sample ID:	185627-06	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Benzo (g,h,i) perylene	**817**	ug/Kg	12/6/2018	19:24
Benzo (k) fluoranthene	**946**	ug/Kg	12/6/2018	19:24
Bis (2-chloroethoxy) methane	< 346	ug/Kg	12/6/2018	19:24
Bis (2-chloroethyl) ether	< 346	ug/Kg	12/6/2018	19:24
Bis (2-ethylhexyl) phthalate	**1910**	ug/Kg	12/6/2018	19:24
Butylbenzylphthalate	< 346	ug/Kg	12/6/2018	19:24
Caprolactam	< 346	ug/Kg	12/6/2018	19:24
Carbazole	< 346	ug/Kg	12/6/2018	19:24
Chrysene	**1570**	ug/Kg	12/6/2018	19:24
Dibenz (a,h) anthracene	< 346	ug/Kg	12/6/2018	19:24
Dibenzofuran	< 346	ug/Kg	12/6/2018	19:24
Diethyl phthalate	< 346	ug/Kg	12/6/2018	19:24
Dimethyl phthalate	< 346	ug/Kg	12/6/2018	19:24
Di-n-butyl phthalate	**1710**	ug/Kg	12/6/2018	19:24
Di-n-octylphthalate	< 346	ug/Kg	12/6/2018	19:24
Fluoranthene	**3280**	ug/Kg	12/6/2018	19:24
Fluorene	< 346	ug/Kg	12/6/2018	19:24
Hexachlorobenzene	< 346	ug/Kg	12/6/2018	19:24
Hexachlorobutadiene	< 346	ug/Kg	12/6/2018	19:24
Hexachlorocyclopentadiene	< 1380	ug/Kg	12/6/2018	19:24
Hexachloroethane	< 346	ug/Kg	12/6/2018	19:24
Indeno (1,2,3-cd) pyrene	**814**	ug/Kg	12/6/2018	19:24
Isophorone	< 346	ug/Kg	12/6/2018	19:24
Naphthalene	**470**	ug/Kg	12/6/2018	19:24
Nitrobenzene	< 346	ug/Kg	12/6/2018	19:24
N-Nitroso-di-n-propylamine	< 346	ug/Kg	12/6/2018	19:24
N-Nitrosodiphenylamine	< 346	ug/Kg	12/6/2018	19:24
Pentachlorophenol	< 692	ug/Kg	12/6/2018	19:24
Phenanthrene	**2160**	ug/Kg	12/6/2018	19:24
Phenol	< 346	ug/Kg	12/6/2018	19:24
Pyrene	**2520**	ug/Kg	12/6/2018	19:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 53-S3
Lab Sample ID: 185627-06 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**73.1**	30.6 - 97.9		12/6/2018 19:24
2-Fluorobiphenyl	**64.4**	33.5 - 88.9		12/6/2018 19:24
2-Fluorophenol	**69.1**	33.6 - 82.8		12/6/2018 19:24
Nitrobenzene-d5	**65.9**	27.7 - 84.2		12/6/2018 19:24
Phenol-d5	**68.2**	33.5 - 86.5		12/6/2018 19:24
Terphenyl-d14	**74.4**	43.7 - 104		12/6/2018 19:24

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 12/6/2018
Data File: B33928.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier:	53-S4		
Lab Sample ID:	185627-07	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**12.9**	mg/Kg		12/10/2018 21:26
Barium	**137**	mg/Kg		12/10/2018 21:26
Beryllium	**0.574**	mg/Kg		12/10/2018 21:26
Cadmium	**1.62**	mg/Kg		12/10/2018 21:26
Chromium	**21.5**	mg/Kg		12/10/2018 21:26
Copper	**260**	mg/Kg		12/10/2018 21:26
Lead	**203**	mg/Kg		12/10/2018 21:26
Manganese	**561**	mg/Kg		12/10/2018 21:26
Nickel	**20.4**	mg/Kg		12/10/2018 21:26
Selenium	**1.85**	mg/Kg		12/10/2018 21:26
Silver	**3.27**	mg/Kg		12/10/2018 21:26
Zinc	**316**	mg/Kg		12/10/2018 21:26

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/6/2018
Data File: 181210B

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.252**	mg/Kg		12/7/2018 12:35

Method Reference(s): EPA 7471B
Preparation Date: 12/7/2018
Data File: Hg181207A

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	**5.53**	ug/Kg	P	12/6/2018 15:59
4,4-DDE	**5.67**	ug/Kg		12/6/2018 15:59
4,4-DDT	**12.5**	ug/Kg		12/6/2018 15:59
Aldrin	< 3.72	ug/Kg		12/6/2018 15:59
alpha-BHC	< 3.72	ug/Kg		12/6/2018 15:59

Sample Identifier: 53-S4
Lab Sample ID: 185627-07 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

beta-BHC	< 3.72	ug/Kg		12/6/2018	15:59
cis-Chlordane	**8.64**	ug/Kg	P	12/6/2018	15:59
delta-BHC	< 3.72	ug/Kg		12/6/2018	15:59
Dieldrin	< 3.72	ug/Kg		12/6/2018	15:59
Endosulfan I	< 3.72	ug/Kg		12/6/2018	15:59
Endosulfan II	**3.95**	ug/Kg	P	12/6/2018	15:59
Endosulfan Sulfate	**12.0**	ug/Kg	P	12/6/2018	15:59
Endrin	< 3.72	ug/Kg		12/6/2018	15:59
Endrin Aldehyde	< 3.72	ug/Kg		12/6/2018	15:59
Endrin Ketone	**4.36**	ug/Kg		12/6/2018	15:59
gamma-BHC (Lindane)	< 3.72	ug/Kg		12/6/2018	15:59
Heptachlor	< 3.72	ug/Kg		12/6/2018	15:59
Heptachlor Epoxide	**4.14**	ug/Kg	P	12/6/2018	15:59
Methoxychlor	**6.70**	ug/Kg	P	12/6/2018	15:59
Toxaphene	< 37.2	ug/Kg		12/6/2018	15:59
trans-Chlordane	< 3.72	ug/Kg		12/6/2018	15:59

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl (1)	**95.1**	26.5 - 142		12/6/2018	15:59
Tetrachloro-m-xylene (1)	**68.6**	28.8 - 104		12/6/2018	15:59

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 12/5/2018

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1-Biphenyl	< 370	ug/Kg		12/6/2018	19:54
1,2,4,5-Tetrachlorobenzene	< 370	ug/Kg		12/6/2018	19:54
1,2,4-Trichlorobenzene	< 370	ug/Kg		12/6/2018	19:54
1,2-Dichlorobenzene	< 370	ug/Kg		12/6/2018	19:54
1,3-Dichlorobenzene	< 370	ug/Kg		12/6/2018	19:54
1,4-Dichlorobenzene	< 370	ug/Kg		12/6/2018	19:54
2,2-Oxybis (1-chloropropane)	< 370	ug/Kg		12/6/2018	19:54
2,3,4,6-Tetrachlorophenol	< 370	ug/Kg		12/6/2018	19:54

Sample Identifier:	53-S4		
Lab Sample ID:	185627-07	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

2,4,5-Trichlorophenol	< 370	ug/Kg	12/6/2018	19:54
2,4,6-Trichlorophenol	< 370	ug/Kg	12/6/2018	19:54
2,4-Dichlorophenol	< 370	ug/Kg	12/6/2018	19:54
2,4-Dimethylphenol	< 370	ug/Kg	12/6/2018	19:54
2,4-Dinitrophenol	< 1480	ug/Kg	12/6/2018	19:54
2,4-Dinitrotoluene	< 370	ug/Kg	12/6/2018	19:54
2,6-Dinitrotoluene	< 370	ug/Kg	12/6/2018	19:54
2-Chloronaphthalene	< 370	ug/Kg	12/6/2018	19:54
2-Chlorophenol	< 370	ug/Kg	12/6/2018	19:54
2-Methylnapthalene	< 370	ug/Kg	12/6/2018	19:54
2-Methylphenol	< 370	ug/Kg	12/6/2018	19:54
2-Nitroaniline	< 370	ug/Kg	12/6/2018	19:54
2-Nitrophenol	< 370	ug/Kg	12/6/2018	19:54
3&4-Methylphenol	< 370	ug/Kg	12/6/2018	19:54
3,3'-Dichlorobenzidine	< 370	ug/Kg	12/6/2018	19:54
3-Nitroaniline	< 370	ug/Kg	12/6/2018	19:54
4,6-Dinitro-2-methylphenol	< 495	ug/Kg	12/6/2018	19:54
4-Bromophenyl phenyl ether	< 370	ug/Kg	12/6/2018	19:54
4-Chloro-3-methylphenol	< 370	ug/Kg	12/6/2018	19:54
4-Chloroaniline	< 370	ug/Kg	12/6/2018	19:54
4-Chlorophenyl phenyl ether	< 370	ug/Kg	12/6/2018	19:54
4-Nitroaniline	< 370	ug/Kg	12/6/2018	19:54
4-Nitrophenol	< 370	ug/Kg	12/6/2018	19:54
Acenaphthene	< 370	ug/Kg	12/6/2018	19:54
Acenaphthylene	< 370	ug/Kg	12/6/2018	19:54
Acetophenone	< 370	ug/Kg	12/6/2018	19:54
Anthracene	< 370	ug/Kg	12/6/2018	19:54
Atrazine	< 370	ug/Kg	12/6/2018	19:54
Benzaldehyde	< 370	ug/Kg	12/6/2018	19:54
Benzo (a) anthracene	**560**	ug/Kg	12/6/2018	19:54
Benzo (a) pyrene	**549**	ug/Kg	12/6/2018	19:54
Benzo (b) fluoranthene	**644**	ug/Kg	12/6/2018	19:54

Sample Identifier:	53-S4		
Lab Sample ID:	185627-07	**Date Sampled:**	12/4/2018
Matrix:	Soil	**Date Received:**	12/5/2018

Benzo (g,h,i) perylene	**378**	ug/Kg	12/6/2018	19:54
Benzo (k) fluoranthene	**410**	ug/Kg	12/6/2018	19:54
Bis (2-chloroethoxy) methane	< 370	ug/Kg	12/6/2018	19:54
Bis (2-chloroethyl) ether	< 370	ug/Kg	12/6/2018	19:54
Bis (2-ethylhexyl) phthalate	**1020**	ug/Kg	12/6/2018	19:54
Butylbenzylphthalate	< 370	ug/Kg	12/6/2018	19:54
Caprolactam	< 370	ug/Kg	12/6/2018	19:54
Carbazole	< 370	ug/Kg	12/6/2018	19:54
Chrysene	**609**	ug/Kg	12/6/2018	19:54
Dibenz (a,h) anthracene	< 370	ug/Kg	12/6/2018	19:54
Dibenzofuran	< 370	ug/Kg	12/6/2018	19:54
Diethyl phthalate	< 370	ug/Kg	12/6/2018	19:54
Dimethyl phthalate	< 370	ug/Kg	12/6/2018	19:54
Di-n-butyl phthalate	< 370	ug/Kg	12/6/2018	19:54
Di-n-octylphthalate	< 370	ug/Kg	12/6/2018	19:54
Fluoranthene	**1250**	ug/Kg	12/6/2018	19:54
Fluorene	< 370	ug/Kg	12/6/2018	19:54
Hexachlorobenzene	< 370	ug/Kg	12/6/2018	19:54
Hexachlorobutadiene	< 370	ug/Kg	12/6/2018	19:54
Hexachlorocyclopentadiene	< 1480	ug/Kg	12/6/2018	19:54
Hexachloroethane	< 370	ug/Kg	12/6/2018	19:54
Indeno (1,2,3-cd) pyrene	**403**	ug/Kg	12/6/2018	19:54
Isophorone	< 370	ug/Kg	12/6/2018	19:54
Naphthalene	< 370	ug/Kg	12/6/2018	19:54
Nitrobenzene	< 370	ug/Kg	12/6/2018	19:54
N-Nitroso-di-n-propylamine	< 370	ug/Kg	12/6/2018	19:54
N-Nitrosodiphenylamine	< 370	ug/Kg	12/6/2018	19:54
Pentachlorophenol	< 740	ug/Kg	12/6/2018	19:54
Phenanthrene	**758**	ug/Kg	12/6/2018	19:54
Phenol	< 370	ug/Kg	12/6/2018	19:54
Pyrene	**984**	ug/Kg	12/6/2018	19:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 185627

Client: **BE3**

Project Reference: 53-55 Water Street

Sample Identifier: 53-S4
Lab Sample ID: 185627-07 **Date Sampled:** 12/4/2018
Matrix: Soil **Date Received:** 12/5/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**54.2**	30.6 - 97.9		12/6/2018 19:54
2-Fluorobiphenyl	**50.2**	33.5 - 88.9		12/6/2018 19:54
2-Fluorophenol	**50.9**	33.6 - 82.8		12/6/2018 19:54
Nitrobenzene-d5	**47.2**	27.7 - 84.2		12/6/2018 19:54
Phenol-d5	**51.7**	33.5 - 86.5		12/6/2018 19:54
Terphenyl-d14	**53.3**	43.7 - 104		12/6/2018 19:54

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 12/6/2018
Data File: B33929.D

Analytical Report Appendix

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

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

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

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

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

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

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

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

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

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

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

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

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

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

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

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

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

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

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

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

PARADIGM ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

1 of 2

REPORT TO:		INVOICE TO:		
CLIENT:	BE3 Corp / Panamerican	CLIENT:	Same	LAB PROJECT ID: 185627
ADDRESS:	1270 Niagara St	ADDRESS:		
CITY:	Buffalo STATE: NY ZIP 14213	CITY: STATE: ZIP:		Quotation #:
PHONE:	716-249-6880	PHONE:		Email: jbrydges@be3corp.com abrennen@be3corp.com
ATTN:	Jason Brydges	ATTN:		

PROJECT REFERENCE

53-55 Water Street

per JH GP 12/5/18

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	375 Metal	375 SVOC	375 Pest.	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/4	1510			55-51	Soil	1	X	X	X		01
	1505			55-52							02
	1520			55-53							03
	1540			53-51							04
	1440			53-52							05
	1455			53-53							06
	1500			53-54							07
					per usual	GP	12/5/18				

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

Alex Brennen 12/4/1600
Sampled By Date/Time

Relinquished By Date/Time 12/5/0430

Received By James Stowe 12/5/18 930
Date/Time

Received @ Lab By JPR 12/5/18 12:40
Date/Time

Total Cost:

P.I.F.

3°C iced 12/5/18 12:10

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

See additional page for sample conditions.

Chain of Custody Supplement

Client: BE3 **Completed by:** Glenn Pezzulo

Lab Project ID: 185627 **Date:** 12/5/18

Sample Condition Requirements

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

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	3°C iced		
Sufficient Sample Quantity	X		
Comments			