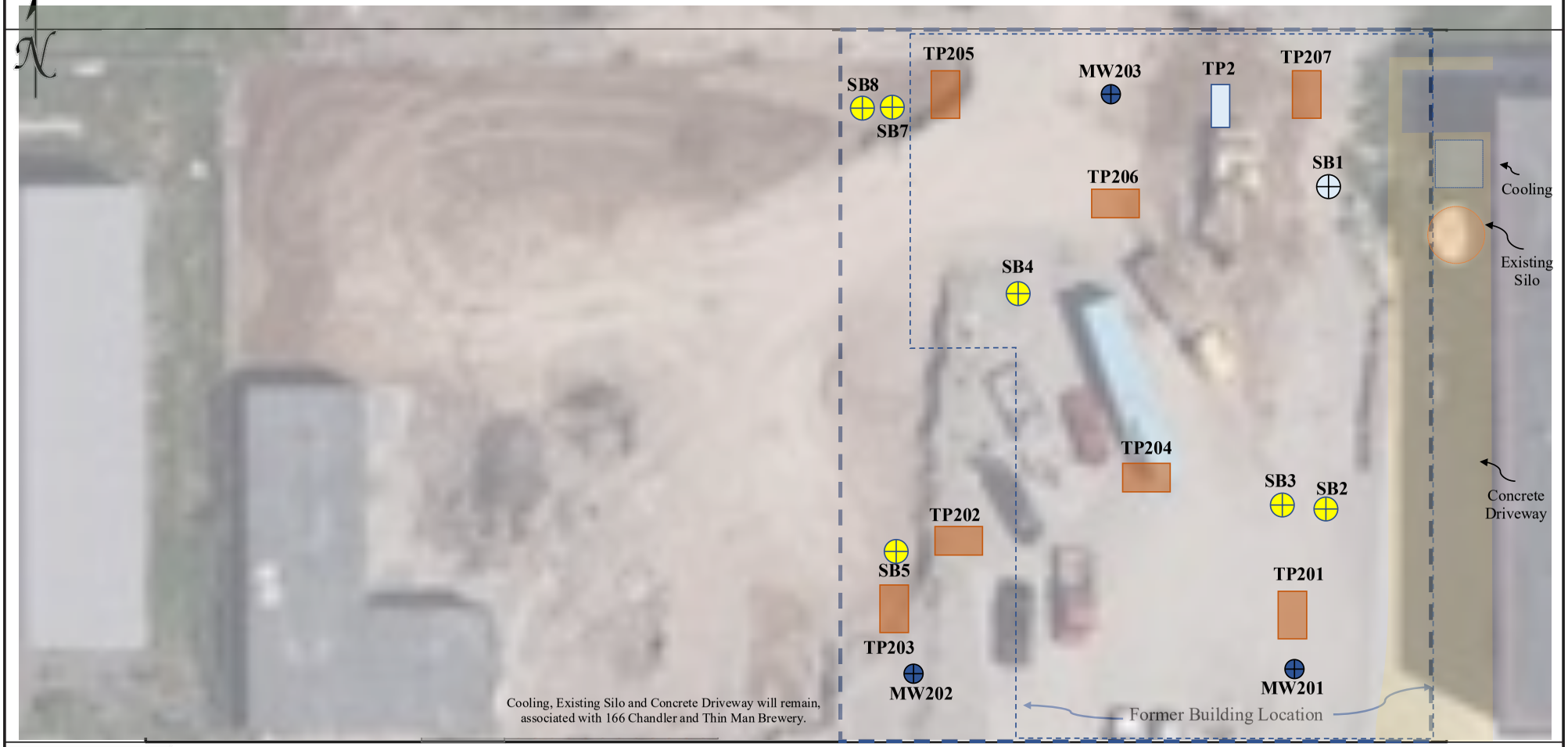
EXHIBIT B

- FROM LETTER DATED APRIL 14, 2021

(PAGES 763-765)



= Soil Boring Location (5/19)

= Test Pit Location (5/19)

= Monitoring Well Location (5/19)

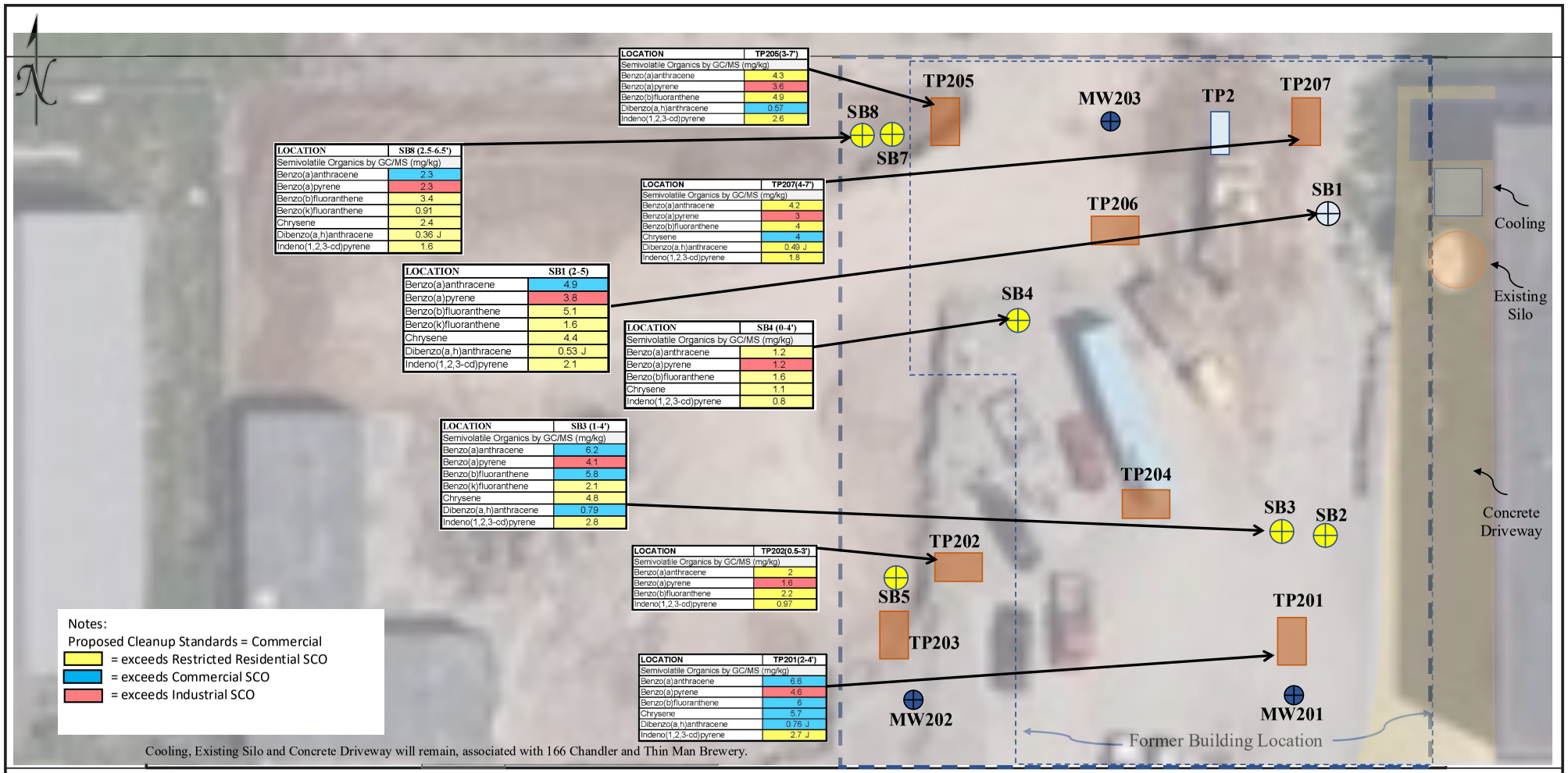
= Monitoring Well Location (10/20)

= Remedial Investigation Test Pit Location (10/20)

WITTMAN GeoSciences, PLLC

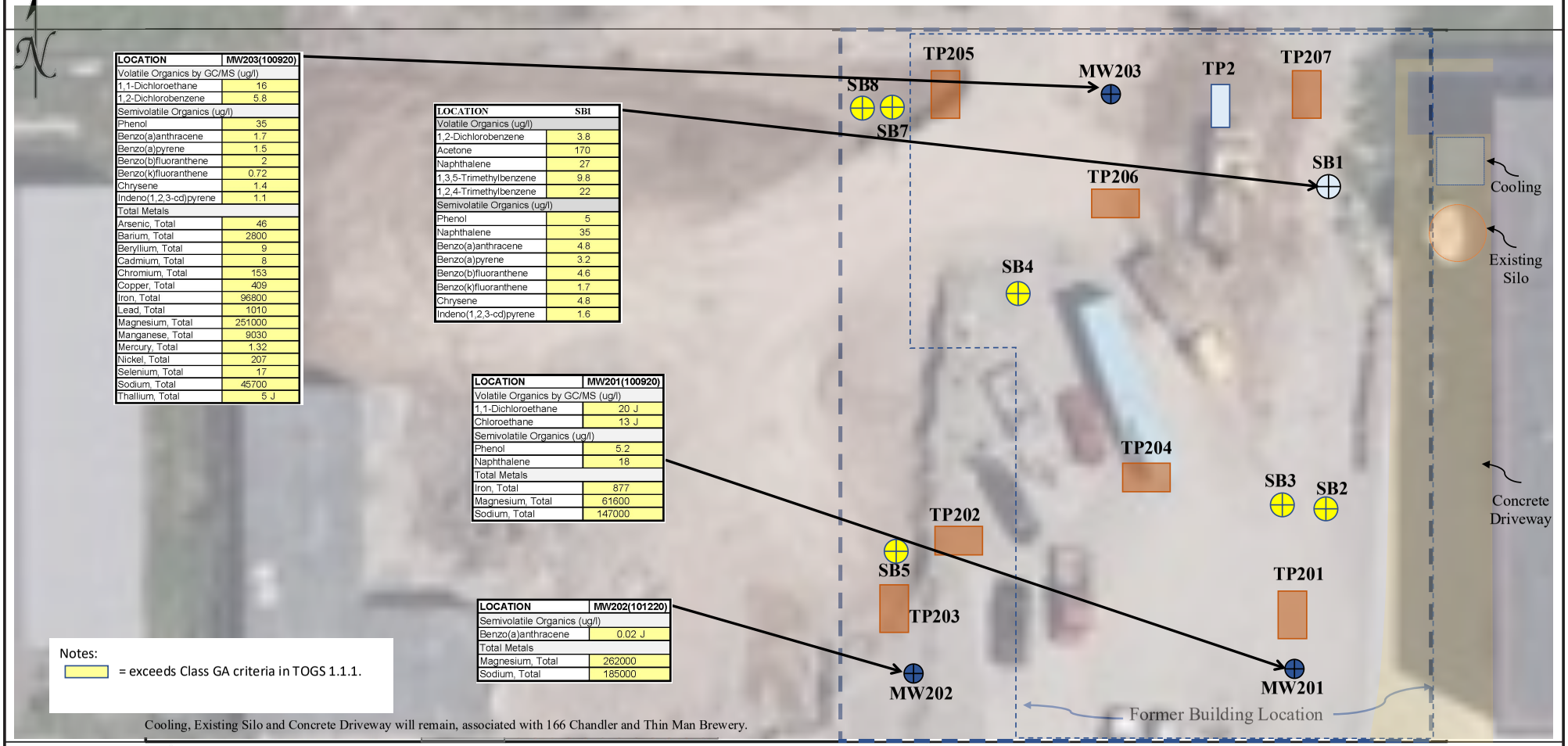
SCALE IN FEET: 1"=20'

TITLE: Investigation Locations	PROJECT NAME / LOCATION: 156 Chandler Street Site, Buffalo, New York, Site No: C915354
DATE: 03/2021	FIGURE: III-A
PROJECT NO.: 21404	DRAWN BY: CMC
	CHECKED BY: MMW



WITTMAN GeoSciences, PLLC

TITLE: Soil Sample Results exceeding Restricted Residential SCO	PROJECT NAME / LOCATION: 156 Chandler Street Site Buffalo, New York Site No: C915354	DATE: 03/2021	FIGURE: III-B
		PROJECT NO.: 21404	DRAWN BY: CMC
			CHECKED BY: MMW



LOCATION	MW203(100920)
Volatile Organics by GC/MS (ug/l)	
1,1-Dichloroethane	16
1,2-Dichlorobenzene	5.8
Semivolatile Organics (ug/l)	
Phenol	35
Benzo(a)anthracene	1.7
Benzo(a)pyrene	1.5
Benzo(b)fluoranthene	2
Benzo(k)fluoranthene	0.72
Chrysene	1.4
Indeno(1,2,3-cd)pyrene	1.1
Total Metals	
Arsenic, Total	46
Barium, Total	2800
Beryllium, Total	9
Cadmium, Total	8
Chromium, Total	153
Copper, Total	409
Iron, Total	96800
Lead, Total	1010
Magnesium, Total	251000
Manganese, Total	9030
Mercury, Total	1.32
Nickel, Total	207
Selenium, Total	17
Sodium, Total	45700
Thallium, Total	5 J

LOCATION	SB1
Volatile Organics (ug/l)	
1,2-Dichlorobenzene	3.8
Acetone	170
Naphthalene	27
1,3,5-Trimethylbenzene	9.8
1,2,4-Trimethylbenzene	22
Semivolatile Organics (ug/l)	
Phenol	5
Naphthalene	35
Benzo(a)anthracene	4.8
Benzo(a)pyrene	3.2
Benzo(b)fluoranthene	4.6
Benzo(k)fluoranthene	1.7
Chrysene	4.8
Indeno(1,2,3-cd)pyrene	1.6

LOCATION	MW201(100920)
Volatile Organics by GC/MS (ug/l)	
1,1-Dichloroethane	20 J
Chloroethane	13 J
Semivolatile Organics (ug/l)	
Phenol	5.2
Naphthalene	18
Total Metals	
Iron, Total	877
Magnesium, Total	61600
Sodium, Total	147000

LOCATION	MW202(101220)
Semivolatile Organics (ug/l)	
Benzo(a)anthracene	0.02 J
Total Metals	
Magnesium, Total	262000
Sodium, Total	185000

Notes:
= exceeds Class GA criteria in TOGS 1.1.1.

Cooling, Existing Silo and Concrete Driveway will remain, associated with 166 Chandler and Thin Man Brewery.

= Soil Boring Location (5/19)
= Monitoring Well Location (5/19)
= Remedial Investigation Test Pit Location (10/20)
= Test Pit Location (5/19)
= Monitoring Well Location (10/20)

WITTMAN GeoSciences, PLLC

SCALE IN FEET: 1"=20'

TITLE: Groundwater Sample Results exceeding Class GA Criteria

PROJECT NAME / LOCATION: 156 Chandler Street Site, Buffalo, New York, Site No: C915354

DATE: 03/2021

FIGURE: III-C

PROJECT NO.: 21404

DRAWN BY: CMC

CHECKED BY: MMW

Table III-A
Soil Analytical Sample Summary Table
156 Chandler Street, Buffalo, New York

LOCATION					SB1 (2-5)	SB8 (2.5-6.5')	SB3 (1-4')	SB4 (0-4')	TP201(2-4')	TP202(0.5-3')	TP202(4-8')	TP205(3-7')	TP206(2-5.5')	TP207(4-7')
SAMPLING DATE	UUSCO	RRUSCO	CUSCO	IUSCO	5/20/2019	5/20/2019	5/20/2019	5/20/2019	8/21/2020	8/21/2020	8/21/2020	8/21/2020	8/21/2020	8/21/2020
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-08	L1921330-09	L2034750-01	L2034750-02	L2034750-04	L2034750-05	L2034750-06	L2034750-07
Volatile Organics by GC/MS (mg/kg)														
Methylene chloride	0.05	51	500	1000	0.34 U	0.31 U	0.3 U	0.0061 U	0.0063	0.0054 U	0.0045 U	0.004 J	0.0052 U	0.0028 J
1,1-Dichloroethane	0.27	19	240	480	ND	0.26	0.21	0.00034 J	0.025 J	0.0011 U	0.00091 U	0.07 J	0.0016	0.0067
Tetrachloroethene	1.3	5.5	150	300	0.015 J	0.086	0.032	0.00027 J	0.04	0.00054 U	0.00045 U	0.056	0.00052 U	0.00052 J
Chlorobenzene	1.1	100	500	1000	ND	0.53	ND	ND	0.00051 U	0.00054 U	0.00045 U	0.00086 U	0.00052 U	0.00054 U
1,1,1-Trichloroethane	0.68	100	500	1000	ND	0.23	0.032	ND	0.00051 U	0.00054 U	0.00045 U	0.16	0.00052 U	0.00084
Benzene	0.06	2.9	44	89	0.016 J	0.035	ND	ND	0.034	0.00054 U	0.00045 U	0.033 J	0.00052 U	0.0017
Toluene	0.7	100	500	1000	0.083	0.17	0.063	0.00095 J	0.21	0.0011 U	0.00091 U	0.77	0.001 U	0.0076
Ethylbenzene	1	30	390	780	0.097	0.13	0.071	0.0012	0.17	0.0011 U	0.00091 U	0.018	0.0017	0.0027
Trichloroethene	0.47	10	200	400	0.021 J	0.024 J	0.014 J	ND	0.12	0.00054 U	0.00045 U	0.012 J	0.00052 U	0.00052 J
1,2-Dichlorobenzene	1.1	100	500	1000	0.56	4	3.7	0.014	2.3	0.0019 J	0.0018 U	2.4	0.0071	0.025
1,3-Dichlorobenzene	2.4	17	280	560	0.022 J	0.29	0.14	0.00039 J	0.084 J	0.0022 U	0.0018 U	0.083 J	0.00016 J	0.00057 J
1,4-Dichlorobenzene	1.8	9.8	130	250	0.05 J	0.74	0.32	0.00074 J	0.18	0.0002 J	0.0018 U	0.22	0.00031 J	0.0013 J
Methyl tert butyl ether	0.93	62	500	1000	ND	0.12 U	ND	ND	0.002 U	0.0022 U	0.0018 U	0.0034 U	0.0021 U	0.0022 U
p/m-Xylene	0.26	100	500	1000	0.37	0.84	0.27	0.0053	0.79	0.0022 U	0.0018 U	0.81	0.0053	0.014
o-Xylene	0.26	100	500	1000	0.24	0.54	0.14	0.0032	0.59	0.0011 U	0.00091 U	0.33	0.0041	0.014
Styrene	NV	NV	NV	NV	0.068 U	0.062 U	0.06 U	0.0012 U	0.026 J	0.0011 U	0.00091 U	0.021 J	0.001 U	0.0011 U
Acetone	0.05	100	500	1000	0.35 J	0.82	0.59 J	0.088	0.014	0.029	0.0091 U	0.98	0.029	0.045
2-Butanone	0.12	100	500	1000	ND	0.22 J	ND	0.0084 J	0.26 J	0.0044 J	0.0091 U	0.88	0.01 U	0.0085 J
4-Methyl-2-pentanone	NV	NV	NV	NV	0.68 U	0.62 U	0.6 U	0.012 U	0.01 U	0.011 U	0.0091 U	0.017 U	0.01 U	0.021
n-Butylbenzene	12	100	500	1000	0.41	0.67	0.19	0.00082 J	NT	NT	NT	NT	NT	NT
sec-Butylbenzene	11	100	500	1000	0.13	0.26	0.062	0.00063 J	NT	NT	NT	NT	NT	NT
tert-Butylbenzene	5.9	100	500	1000	0.034 J	0.028 J	0.017 J	0.00016 J	NT	NT	NT	NT	NT	NT
Isopropylbenzene	NV	NV	NV	NV	0.1	0.18	0.034 J	0.00037 J	0.16	0.0011 U	0.00091 U	0.05 J	0.0006 J	0.0027
p-Isopropyltoluene	NV	NV	NV	NV	0.18	0.11	0.095	0.00062 J	NT	NT	NT	NT	NT	NT
Naphthalene	12	100	500	1000	6.7	2.6	2.1	0.012	NT	NT	NT	NT	NT	NT
n-Propylbenzene	3.9	100	500	1000	0.41	0.52	0.09	0.00087 J	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	NV	NV	NV	NV	ND	0.028 J	ND	ND	0.002 U	0.0022 U	0.0018 U	0.0034 U	0.0021 U	0.0022 U
1,3,5-Trimethylbenzene	8.4	47	190	380	1.4	0.75	0.44	0.0053	0.002 U	0.0022 U	0.0018 U	0.0034 U	0.0021 U	0.0022 U
1,2,4-Trimethylbenzene	3.6	47	190	380	4	5.2	1	0.013	NT	NT	NT	NT	NT	NT
Methyl Acetate	NV	NV	NV	NV	0.58	0.28	0.66	0.014	0.71	0.0043 U	0.0036 U	0.68	0.0041 U	0.0044 U
Cyclohexane	NV	NV	NV	NV	0.037 J	0.041 J	ND	ND	0.0017 J	0.011 U	0.0091 U	0.041 J	0.0012 J	0.0016 J
Methyl cyclohexane	NV	NV	NV	NV	0.089 J	0.15 J	0.056 J	ND	0.053 J	0.00076 J	0.0036 U	0.11 J	0.0014 J	0.003 J
Semivolatile Organics by GC/MS (mg/kg)														
Acenaphthene	20	100	500	1000	1.5	2.2	1.2	0.3	1.1 J	0.24	0.16 U	1.2	0.068 J	1.2
Fluoranthene	100	100	500	1000	11	5.2	11	2.5	13	3.9	0.12 U	8.5	0.94	9.2
Naphthalene	12	100	500	1000	3.4	2.1	1.4	0.32	3.2 J	0.17 J	0.2 U	2.5	0.1 J	1.9
NDPA/DPA	NV	NV	NV	NV	0.28 J	ND	ND	ND	3.3 U	0.16 U	0.16 U	0.16 U	0.18 U	0.2 J
n-Nitrosodi-n-propylamine	NV	NV	NV	NV	1 U	ND	ND	0.22 U	4.1 U	0.2 U	0.2 U	0.2 U	0.23 U	1.1 U
Bis(2-ethylhexyl)phthalate	NV	NV	NV	NV	1.1	ND	ND	0.42	3.1 J	0.2 U	0.2 U	0.68	0.23 U	1.7
Diethyl phthalate	NV	NV	NV	NV	1 U	0.98 U	0.92 U	0.22 U	4.1 U	0.048 J	0.2 U	0.2 U	0.23 U	0.25 J
Benzo(a)anthracene	1	1	5.6	11	4.9	2.3	6.2	1.2	6.6	2	0.12 U	4.3	0.46	4.2
Benzo(a)pyrene	1	1	1	1.1	3.8	2.3	4.1	1.2	4.6	1.6	0.16 U	3.6	0.44	3
Benzo(b)fluoranthene	1	1	5.6	11	5.1	3.4	5.8	1.6	6	2.2	0.12 U	4.9	0.56	4
Benzo(k)fluoranthene	0.8	1	56	110	1.6	0.91	2.1	0.54	2.3 J	0.74	0.12 U	1.3	0.18	1.4
Chrysene	1	1	56	110	4.4	2.4	4.8	1.1	5.7	1.9	0.12 U	3.6	0.44	4
Acenaphthylene	100	100	500	1000	0.53 J	ND	0.81	0.11 J	0.83 J	0.14 J	0.16 U	0.37	0.035 J	0.48 J
Anthracene	100	100	500	1000	3.2	1.8	3.4	0.62	3.7	0.74	0.12 U	2.8	0.18	3.2
Benzo(ghi)perylene	100	100	500	1000	2	1.6	2.4	0.89	2.4 J	0.96	0.16 U	2.2	0.26	1.6
Fluorene	30	100	500	1000	2.8	3.2	2.2	0.43	2.3 J	0.34	0.2 U	2	0.086 J	2.3
Phenanthrene	100	100	500	1000	14	9.2	12	2.6	14	3.2	0.12 U	11	0.67	12
Dibenzo(a,h)anthracene	0.33	0.33	0.56	1.1	0.53 J	0.36 J	0.79	0.18	0.76 J	0.26	0.12 U	0.57	0.061 J	0.49 J
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	11	2.1	1.6	2.8	0.8	2.7 J	0.97	0.16 U	2.6	0.26	1.8
Pyrene	100	100	500	1000	8.1	4.5	8.8	2	9.5	3.1	0.12 U	7	0.78	7.1
Biphenyl	NV	NV	NV	NV	0.37 J	ND	0.26 J	0.06 J	9.4 U	0.45 U	0.45 U	0.25 J	0.52 U	0.25 J
Dibenzofuran	7	14	350	1000	1.9	1.5	1.4	0.26	1.3 J	0.19 J	0.2 U	1.3	0.052 J	1.4
2-Methylnaphthalene	NV	NV	NV	NV	1.6	11	0.84 J	0.19 J	1.3 J	0.13 J	0.24 U	1.2	0.039 J	1 J
Phenol	0.33	100	500	1000	ND	ND	ND	0.078 J	4.1 U	0.2 U	0.2 U	0.082 J	0.096 J	1.1 U
3-Methylphenol/4-Methylphenol	0.33	34	500	1000	ND	0.44 J	0.32 J	0.06 J	6 U	0.28 U	0.28 U	0.24 J	0.06 J	0.18 J
Carbazole	NV	NV	NV	NV	1.6	0.63 J	1.4	0.31	1.5 J	0.26	0.2 U	1.6	0.095 J	1.3

Table III-A
Soil Analytical Sample Summary Table
156 Chandler Street, Buffalo, New York

LOCATION					SB1 (2-5)	SB8 (2.5-6.5')	SB3 (1-4')	SB4 (0-4')	TP201(2-4')	TP202(0.5-3')	TP202(4-8')	TP205(3-7')	TP206(2-5.5')	TP207(4-7')
SAMPLING DATE	UUSCO	RRUSCO	CUSCO	IUSCO	5/20/2019	5/20/2019	5/20/2019	5/20/2019	8/21/2020	8/21/2020	8/21/2020	8/21/2020	8/21/2020	8/21/2020
LAB SAMPLE ID					L1921330-01	L1921330-02	L1921330-08	L1921330-09	L2034750-01	L2034750-02	L2034750-04	L2034750-05	L2034750-06	L2034750-07
Total Metals (mg/kg)														
Aluminum, Total	NV	NV	NV	NV	5460	6830	7050	5190	4930	4900	10000	6020	7430	6040
Antimony, Total	NV	NV	NV	NV	4.09 J	3.54 J	1.59 J	1.11 J	1.51 J	1.59 J	1.13 J	2.19 J	1.27 J	2.22 J
Arsenic, Total	13	16	16	16	3.62	13.7	4.33	5.47	4.35	5.86	3.75	5.94	5.15	8.97
Barium, Total	350	350	400	10000	74.8	219	71.6	62.5	88.1	76.4	170	118	96.4	141
Beryllium, Total	7.2	14	590	2700	0.294 J	0.586	0.403 J	0.33 J	0.298 J	0.282 J	0.505	0.385 J	0.459 J	0.346 J
Cadmium, Total	2.5	2.5	9.3	60	0.513 J	1.56	0.867 J	0.537 J	0.432 J	0.178 J	0.902 U	0.568 J	0.363 J	1.62
Calcium, Total	NV	NV	NV	NV	96700	30500	50800	120000	92800	33500	55800	82300	52400	61400
Chromium, Total	NV	NV	NV	NV	11.4	20.3	27.9	44.2	10.4	18.8	17.4	19.2	13.4	14.4
Cobalt, Total	NV	NV	NV	NV	2.61	8.6	3.83	2.77	2.48	4.73	10.3	5.57	7.28	5.15
Copper, Total	50	270	270	10000	29.9	116	33.7	20.8	40.6	31.2	15.9	36.6	166	52
Iron, Total	NV	NV	NV	NV	7620	20900	23400	10400	9800	17800	19300	14000	17800	19000
Lead, Total	63	400	1000	3900	61.3	306	63	78.2	90.6	141	9.15	115	55.1	154
Magnesium, Total	NV	NV	NV	NV	22000	7440	6020	14400	13800	3800	14400	14300	11300	10400
Manganese, Total	1600	2000	10000	10000	270	350	1710	1040	259	669	443	429	351	278
Mercury, Total	0.18	0.81	2.8	5.7	0.312	0.186	0.057 J	0.174	0.464	0.091	0.077 U	0.098	0.064 J	0.401
Nickel, Total	30	140	310	10000	8.31	25	14.3	9.22	6.74	14.1	23.1	14.7	16.5	14.7
Potassium, Total	NV	NV	NV	NV	653	998	962	631	813	611	1060	1110	1240	864
Selenium, Total	3.9	36	1500	6800	0.56 J	0.986 J	0.272 J	0.568 J	0.269 J	1.88 U	1.8 U	1.83 U	2.14 U	0.448 J
Silver, Total	2	36	1500	6800	ND	ND	ND	ND	0.961 U	0.94 U	0.902 U	0.916 U	1.07 U	1.02 U
Sodium, Total	NV	NV	NV	NV	244	189	510	240	360	166 J	175 J	330	416	305
Thallium, Total	NV	NV	NV	NV	1.9 U	1.86 U	0.666 J	ND	1.92 U	1.88 U	1.8 U	1.83 U	2.14 U	2.03 U
Vanadium, Total	NV	NV	NV	NV	11.4	21.4	15.7	24.3	10.5	13.9	20.8	14.7	17.1	16.1
Zinc, Total	109	2200	10000	10000	116	413	122	127	213	74.7	57.1	312	152	514
Polychlorinated Biphenyls by GC (mg/kg)														
Aroclor 1254	0.1	1	1	25	1.193 U	1.0374 U	1.181 U	0.118	0.197 U	0.0308 J	0.0376 U	0.137 J	0.0653	0.211 U
PCBs, Total	0.1	1	1	25	5.193 U	5.0374 U	5.181 U	0.118	0.197 U	0.0308 J	0.0376 U	0.137 J	0.0653	0.211 U

Notes:

1. Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
2. ug/kg = parts per billion; mg/kg = parts per million.
3. ND and U = not detected; NT = not tested; NV = no value.
4. Analytical results compared to NYSDEC Part 375-6; Remedial Program Soil Cleanup Objectives, Table 375-(a) Unrestricted Use Soil Cleanup Objective; and Table 375-6.8(b): Restricted Use Soil Cleanup Objectives.
5. Shading indicates:
   - Exceeds NY-UUSCO: New York NYCRR Part 375 New York Unrestricted Use Soil Cleanup Objectives.
   - Exceeds NY-RUSCO: New York NYCRR Part 375 New York Restricted Residential Use Soil Cleanup Objectives.
   - Exceeds NY-CUSCO: New York NYCRR Part 375 Commercial Use Soil Cleanup Objectives.
   - Exceeds NY-IUSCO: New York NYCRR Part 375 Industrial Use Soil Cleanup Objectives.

Table III-B
Groundwater Analytical Testing Results Summary
156 Chandler Street, Buffalo, New York

LOCATION	Class GA Criteria	SB1	MW201(100920)	MW203(100920)	MW202(101220)
SAMPLING DATE		5/20/2019	10/9/2020	10/9/2020	10/12/2020
LAB SAMPLE ID		L1921330-04	L2043653-01	L2043653-02	L2043653-06
Volatile Organics by GC/MS (ug/l)					
Methylene chloride	5	0.92 J	25 U	1.5 J	2.5 U
1,1-Dichloroethane	5	0.89 J	20 J	16	2.5 U
Benzene	1	0.64	5 U	0.62	0.5 U
Toluene	5	1.2 J	25 U	2.2 J	2.5 U
Ethylbenzene	5	0.89 J	25 U	0.83 J	2.5 U
Chloromethane	NV	2.1 J	25 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	13 J	2.5 U	2.5 U
Trichloroethene	5	0.36 J	5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	3.8	25 U	5.8	2.5 U
p/m-Xylene	5	3.5	25 U	3.1	2.5 U
o-Xylene	5	2.9	25 U	2.5	2.5 U
Acetone	50	170	28 J	20	14
Carbon disulfide	60	5 U	50 U	19	5 U
2-Butanone	50	5.6	50 U	3 J	5 U
4-Methyl-2-pentanone	NV	5 U	50 U	1.6 J	5 U
2-Hexanone	50	1.1 J	50 U	5 U	5 U
n-Butylbenzene	5	0.8 J	NT	NT	NT
Isopropylbenzene	5	0.78 J	25 U	2.5 U	2.5 U
p-Isopropyltoluene	5	0.73 J	NT	NT	NT
Naphthalene	10	27	NT	NT	NT
n-Propylbenzene	5	2 J	2500 U	250 U	250 U
1,2,4-Trichlorobenzene	5	2.5 U	25 U	2.5 U	2.5 U
1,3,5-Trimethylbenzene	5	9.8	NT	NT	NT
1,2,4-Trimethylbenzene	5	22	NT	NT	NT
Cyclohexane	NV	0.45 J	100 U	10 U	10 U
Semivolatile Organics (ug/l)					
NDPA/DPA	50	2 U	1.4 J	0.48 J	2 U
Bis(2-ethylhexyl)phthalate	5	3 U	3 U	2 J	1.8 J
Diethyl phthalate	50	5 U	1.2 J	5 U	0.4 J
Dibenzofuran	NV	6.7	1.1 J	0.89 J	2 U
2,4-Dimethylphenol	50	5 U	4.6 J	9.6	5 U
Phenol	1	5	5.2	35	5 U
2-Methylphenol	NV	NT	1.2 J	1.8 J	5 U
3-Methylphenol/4-Methylphenol	NV	3.6 J	11	27	5 U
Carbazole	NV	11	5.7	2.5	2 U
Acenaphthene	20	6.2	1.3	1	0.1 U
Fluoranthene	50	16	0.46 J	4.7	0.09 J
Naphthalene	10	35	18	8.7	0.08 J
Benzo(a)anthracene	0.002	4.8	0.5 U	1.7	0.02 J
Benzo(a)pyrene	0	3.2	0.5 U	1.5	0.1 U
Benzo(b)fluoranthene	0.002	4.6	0.5 U	2	0.1 U
Benzo(k)fluoranthene	0.002	1.7	0.5 U	0.72	0.1 U
Chrysene	0.002	4.8	0.5 U	1.4	0.1 U
Acenaphthylene	NV	0.98	0.26 J	0.3	0.1 U
Anthracene	50	6.2	0.63	1.5	0.23
Benzo(ghi)perylene	NV	1.7	0.5 U	1	0.1 U
Fluorene	50	9.4	1.6	1.5	0.04 J
Phenanthrene	50	30	2.7	5.1	0.28
Dibenzo(a,h)anthracene	NV	0.43 J	0.5 U	0.27	0.1 U
Indeno(1,2,3-cd)pyrene	0.002	1.6	0.5 U	1.1	0.1 U
Pyrene	50	12	0.26 J	3.7	0.06 J
2-Methylnaphthalene	NV	8.8	2.3	1.6	0.04 J
Total Metals					
Aluminum, Total		NT	584	98300	89 J
Arsenic, Total	25	NT	7	46	5 U
Barium, Total	1000	NT	43	2800	69
Beryllium, Total	3	NT	5 U	9	5 U
Cadmium, Total	5	NT	5 U	8	5 U
Calcium, Total		NT	88500	2160000	127000
Chromium, Total	50	NT	10 U	153	10 U
Cobalt, Total		NT	8 J	100	2 J
Copper, Total	200	NT	6 J	409	4 J
Iron, Total	300	NT	877	96800	95
Lead, Total	25	NT	3 J	1010	10 U
Magnesium, Total	35000	NT	61600	251000	262000
Manganese, Total	300	NT	76	9030	239
Mercury, Total	0.7	NT	0.2 U	1.32	0.2 U
Nickel, Total	100	NT	52	207	3 J
Potassium, Total		NT	9950	44300	15400
Selenium, Total	10	NT	10 U	17	10 U
Silver, Total	50	NT	7 U	7 U	7 U
Sodium, Total	20000	NT	147000	45700	185000
Thallium, Total	0.5	NT	20 U	5 J	20 U
Vanadium, Total		NT	15	131	10 U
Zinc, Total	2000	NT	8 J	1930	13 J
Polychlorinated Biphenyls by GC					
PCBs, Total	0.09	NT	0.083 U	0.083 U	NT

Notes:
1. Analytical testing performed by Alpha Analytical.
2. ug/L = part per billion.
3. Analytical results compared to NYSDEC Class GA criteria
4. ND and U = Non-Detect; NV= No value.
5. Yellow shading indicates exceedance of NYSDEC Class GA

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB1

Project Name & Location	140 Chandler, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019	End Date	5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	4 feet			Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	2.45 feet			Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Gravel, little Silt, tr. Brick, tr. Concrete, tr. Cinders, moist (FILL)	
1					ND
				Grades to:… some Silt & Clay	
2					4
				Grades to:… some Brick, odor	
3					22
				Brown Clay & Silt, and Brick, little Gravel, trace f. Sand, moist (FILL)	
4	2	4-8	65		22
				Brown f/c Sand, and Gravel, little Silt, saturated, sheen & odor (FILL)	
5					8
6				Grades to:… Dk. brown, some Clay & Silt, little Wood, stained	8
7					ND
				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	
8	3	8-12	75		ND
9					ND
10					ND
11					ND
12					ND
				Bottom of Boring - 12 feet below grade	
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB2

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	3 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Gravel, little Silt (FILL)	
1					0
				Grades to:… some Brick	
2					0
				Brown Clay & Silt, trace f. Sand, trace Gravel, saturated (FILL)	
3					2.5
				Brown f/c Sand, some Gravel, little Wood, trace Cinders, wet	
4					2.5
				Bottom of Boring - 4 feet below grade	
5				Spoon Refusal	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB3

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	5 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, some Gravel, little Silt, trace Concrete, moist (FILL)	
1					1.5
2					1.5
				Dk. brown Clay & Silt, trace f. Sand, trace Gravel (FILL)	
3					13
				Grades to:… stained	
4	2	4-8	75		13
				Brown f/c Sand, some Gravel, little Silt, wet (FILL)	
5					ND
				Grades to:… saturated	
6					ND
				Concrete floor	
7				Dk. brown sub-base Gravel, wet	ND
				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB4

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	50	Brown f/c Sand, some Gravel, little Silt, trace Concrete, moist (FILL)	
1					ND
2				Brown Clay & Silt, little f/c Sand, little Gravel, moist	5
3				Grades to:… stained	5
4	2	4-8	0		5
5					
6					
7					
8	3	8-12	85	Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
9					ND
10					ND
11					ND
12					ND
13				Bottom of Boring - 12 feet below grade	
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB5

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, little Gravel, little Silt, moist (FILL)	
1					ND
2				Brown Clay & Silt, trace f. Sand, trace Gravel, moist (FILL)	ND
3					ND
4	2	4-8	75	Grades to:… Dk. brown, trace Glass	ND
5				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel	ND
6					ND
7					ND
8	3	8-12	85		ND
9					ND
10					ND
11					ND
12					ND
				Bottom of Boring - 12 feet below grade	
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB6

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	65	Brown f/c Sand, little Concrete, little Gravel, moist (FILL)	
1				Grades to:… little Cinders, trace Concrete	1
2					ND
3					ND
				Brown Clay & Silt, trace f. Sand, trace Gravel, moist (FILL)	
4	2	4-8	85		ND
5				Brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
6					ND
7					ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB7

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	NWWD	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	40	Brown f/c Sand, some Gravel, trace Silt, trace Brick, moist (FILL)	
1					0
				Grades to:… some Brick	
2					10
				Brown Clay & Silt, and Brick, little Concrete, little f/c Sand, moist (FILL)	
3					10
				Grades to:… Dk. brown, trace Wood, odor & stained	
4					10
				Bottom of Boring - 4.5 feet below grade	
5				Spoon Refusal	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN Geosciences, PLLC
3636 N. Buffalo Road
Orchard Park, NY 14127
michelewittmangeo@gmail.com
716-574-1513

Boring No: SB8

Project Name & Location	140 Chandler, Buffalo, NY	WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211	WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019 End Date 5/20/2019	Drilling Contractor	Trec Environmental
GW Depth While Drilling	6.5 feet	Type of Drill Rig	Track Mounted Geoprobe
GW Depth at Completion	NWAC	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-4	45	Brown f/c Sand, some Gravel, little Silt, trace Asphalt (FILL)	
1					ND
				Brown Clay & Silt, little f/c Sand, little Gravel, trace Wood, moist (FILL)	
2					5
				Grades to:… little Wood, odor & stained	
3					10
				Grades to:… little Concrete, odor & stained	
4	2	4-8	45		20
				Grades to:… trace Concrete, odor & stained	
5					8
6					4
				Grades to:… wet	
7				Red/brown CLAY & SILT, trace f/c Sand, trace Gravel, moist	ND
8					ND
				Bottom of Boring - 8 feet below grade	
9					
10					
11					
12					
13					
14					
15					
16					
18					
20					
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

Test Pit No: TP2

Project Name & Location	140 Chandler, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	19211			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	5/20/2019	End Date	5/20/2019	Contractor	Lazarus Ind.
GW Depth in Excavation	NWAC			Equipment	Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2	4.4	Brown f/c Sand and Gravel, some Cobbles, little Silt, moist
1				
			4.4	
2	2	2-4		Grades to:… wet
			2.2	Grades to:… Dk. brown, saturated
3				
			2.2	
4				
				Bottom of Excavation - 4 feet below grade
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:	1) Organic vapor meter used to field screen and headspace soil samples 2) ND = non detect on the OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Test Pit No: TP201

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	21404			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	8/21/2020	End Date	8/21/2020	Contractor	Costa Construction
GW Depth in Excavation	2' bg			Equipment	Track Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2	5	Brown Gravel, some f/c Sand, little Concrete, little Silt, moist (Fill)
1				
			5	
2				
	2	2-4	16	Dk. Brown Gravel and Concrete, some f/c Sand, little Steel pieces, little wood, saturated (Fill)
3				
			16	
4				
				Bottom of Excavation - 4 fbg
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:
1) Organic vapor meter used to field screen and headspace soil samples
2) ND = non detect on the OVM

Perched groundwater condition present at 2 feet below grade. Therefore, excavation was stopped.

Building materials present 2 to 4 feet below grade

General Notes:
1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Test Pit No: TP202

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	21404			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	8/21/2020	End Date	8/21/2020	Contractor	Costa Construction
GW Depth in Excavation	NWAC			Equipment	Track Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2	2	Brown Gravel and f/c Sand, little Silt, moist (Fill)
1				Grades to:…Dlk. Brown, tr. Cinders
			2	
2				
	2	2-4	1.5	
3				Dk. Brown Clay & Silt, little f/c Sand, little Gravel, moist (Fill)
			1.5	
4				
	3	4-8	0.5	Grades to:…Brown
5				Red/Brown CLAY & SILT, tr. f/c Sand, tr. Gravel, moist
			0.5	
6				
			ND	
7				
			ND	
8				
				Bottom of Excavation - 8 fbg
9				
10				
11				
12				
13				
14				
15				

Notes:
1) Organic vapor meter used to field screen and headspace soil samples
2) ND = non detect on the OVM

General Notes:
1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Test Pit No: TP203

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	21404			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	8/21/2020	End Date	8/21/2020	Contractor	Costa Construction
GW Depth in Excavation	NWAC			Equipment	Track Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2	ND	Brown Gravel, some f/c Sand, little Gravel, moist (FILL)
1				Grades to:…dk. Brown, and f/c Sand, little Cinders
			ND	
2				
	2	2-4	ND	
3				Dk. Brown Clay & Silt, little f/c Sand, little Gravel, moist (Fill)
			ND	
4				Grades to:…Brown
	3	4-8	ND	
5				Red/Brown CLAY & SILT, tr. f/c Sand, tr. Gravel, moist
			ND	
6				
				Bottom of Excavation - 6 fbg
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:
1) Organic vapor meter used to field screen and headspace soil samples
2) ND = non detect on the OVM

General Notes:
1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Test Pit No: TP204

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	21404			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	8/21/2020	End Date	8/21/2020	Contractor	Costa Construction
GW Depth in Excavation	3' bg			Equipment	Track Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-1	2	Brown Gravel and f/c Sand, little Silt, little Concrete, moist (Fill)
1				
	2	1-3	2	Dk. Brown f/c Sand, some Gravel, little Wood, tr. Steel Pieces, moist (Fill)
2				
			3	
3				
	3	3-5	3	Grades to:…Dk, grey, saturated, odor
4				
			3	Grades to:.. and Silt & Clay
5				Bottom of Excavation - 5 fbg
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:
1) Organic vapor meter used to field screen and headspace soil samples
2) ND = non detect on the OVM

Concrete Floor from former building basement, encountered at 5' bg

General Notes:
1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Test Pit No: TP205

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	21404			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	8/21/2020	End Date	8/21/2020	Contractor	Costa Construction
GW Depth in Excavation	5' bg			Equipment	Track Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2	1	Brown Gravel and f/c Sand, little Silt, moist (Fill)
1				
			1	
2				
	2	2-4	5	Brown f/c Sand and Gravel, some Silt, little Concrete (Fill)
3				
			10	Grades to:…Dk. brown, little Metal Pieces, little Wood
4				
	3	4-7	7	
5				Grades to:…Dk. gray, saturated, staining noted
			7	
6				
			7	
7				
				Bottom of Excavation - 7 fbg
8				
9				
10				
11				
12				
13				
14				
15				

Notes: 1) Organic vapor meter used to field screen and headspace soil samples
2) ND = non detect on the OVM

Concrete Floor from former building basement, encountered at 7' bg

General Notes:
1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Test Pit No: TP206

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	21404			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	8/21/2020	End Date	8/21/2020	Contractor	Costa Construction
GW Depth in Excavation	3' bg			Equipment	Track Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-2	ND	Brown Gravel, some f/c Sand, little Silt, little Concrete moist (Fill)
1				
			ND	
2				
	2	2-5.5	ND	Grades to:…Dk. Brown and f/c Sand
3				
			ND	Dk. Brown f/c Sand, some Gravel, little Wood, little Metal Pieces, saturated (Fill)
4				
			ND	Grades to:. Dk. Gray, and Clay and Silt, staining noted
5				
			ND	
6				Bottom of Excavation - 5.5 fbg
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes: 1) Organic vapor meter used to field screen and headspace soil samples
2) ND = non detect on the OVM

Concrete Floor from former building basement, encountered at 5.5' bg

General Notes:
1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Test Pit No: TP207

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	E. Betzold/HEI
WGS Project Number:	21404			WGS Reviewed & Approved by:	M. Wittman, P.G.
Start Date	8/21/2020	End Date	8/21/2020	Contractor	Costa Construction
GW Depth in Excavation	7 fbg			Equipment	Track Excavator

Sample Depth (ft)	Sample No.	Sample Depth (feet)	OVM Reading (ppm)	SAMPLE DESCRIPTION
	1	0-4	1.5	Brown Gravel and f/c Sand, little Silt, moist (Fill)
1				
			1.5	
2				
			1.5	
3				
			2	Grades to:…Dk. Brown
4				
	2	4-7	2	Grades to:…Balck, some Wood, little Metal Pieces, staining noted
5				
			2	
6				
7			2	
				Bottom of Excavation - 7 fbg
8				
9				
10				
11				
12				
13				
14				
15				

Notes:
1) Organic vapor meter used to field screen and headspace soil samples
2) ND = non detect on the OVM

Concrete Floor from former building basement, encountered at 7' bg

Staining noted on standing water in excavation

General Notes:
1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of excavation. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Boring No: MW-201

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	M. Wittman, P.G.
WGS Project Number:	21404				
Start Date	12/18/2020	End Date	12/18/2020	Drilling Contractor	Matrix Environmental
GW Depth While Drilling	1'			Type of Drill Rig	6620DT
GW Depth at Completion	6.2'			Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-5	50	Grey Gravel, some Concerete, little f/c Sand, moist (Fill)	ND
1					
				Brown f/c Sand, some Silt, some Gravel, wet (Fill)	ND
2					
				Grades to:…little Gravel, saturated, odor noted	6
3					
				Grades to:…Dk. Brown, little Wood, little Concrete	6
4					
				Grades to:…and Concrete	6
5					
	2	5-10	75	Concrete Floor	ND
6				Red/brown CLAY & SILT, tr. f/c Sand, tr. Gravel, wet	
					ND
7					
				Grades to:…moist	ND
8					
					ND
9					
					ND
10					
	3	10-15	75		ND
11					
					ND
12					
					ND
13					
					ND
14					
					ND
15					
	4	15-20	100		ND
16					
				Grades to:…wet	ND
18					
					ND
20					
				Bottom of Boring at 20 feet below grade	
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Boring No: MW-202

Project Name & Location	156 Chandler Street, Buffalo, NY			WGS Representative:	M. Wittman, P.G.
WGS Project Number:	21404				
Start Date	12/18/2020	End Date	12/18/2020	Drilling Contractor	Matrix Environmental
GW Depth While Drilling	18'			Type of Drill Rig	6620DT
GW Depth at Completion	17.6'			Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-5	50	Grey Gravel and f/c Sand, little Silt, little Concrete, moist (Fill)	ND
1					
				Dk. Brown, Clay & Silt, little Gravel, tr. f/c Sand, tr. Cinders, moist (Fill)	ND
2					
				Grades to:…tr. Gravel, odor detected	125
3					
					10
4					
				Brown CLAY & SILT, tr. f/c Sand, tr. Gravel, moist	ND
5					
	2	5-10	100		ND
6					
				Grades to:…red/brown	ND
7					
					ND
8					
					ND
9					
					ND
10					
	3	10-15	100		ND
11					
					ND
12					
					ND
13					
					ND
14					
					ND
15					
	4	15-20	100		ND
16					
					ND
18					
				Grades to:…wet	ND
20					
				Bottom of Boring at 20 feet below grade	
22					
24					

Notes:	1) Organic vapor meter used to field screen and headspace soil samples. 2) ND - non detect on OVM
General Notes:	1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate. 2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur. 3) f=fine; m=medium; c=coarse 4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

WITTMAN GeoSciences, PLLC

Boring No: MW-203

Project Name & Location	156 Chandler Street, Buffalo, NY	WGS Representative:	M. Wittman, P.G.
WGS Project Number:	21404		
Start Date	12/18/2020 End Date 12/18/2020	Drilling Contractor	Matrix Environmental
GW Depth While Drilling	3.5'	Type of Drill Rig	6620DT
GW Depth at Completion	12.6'	Sampler Type:	MC

Sample Depth (ft)	Sample No.	Sample Depth (feet)	Recovery (%)	SAMPLE DESCRIPTION	OVM Reading (ppm)
	1	0-5	25	Brown Gravel and f/c Sand, little Concrete, moist (Fill)	ND
1					
				Grades to:…some Concrete	ND
2					
					6
3					
				Grades to:…Black, tr. Concrete	6
4				Grades to:…brown, saturated	
					6
5					
	2	5-10	100	Brown Clay & Wilt, tr. Brick, tr. f/c Sand, tr. Gravel, moist (Fill)	ND
6				Dk. Brown f/c Sand and Gravel, little Brick, little Silt, saturated, slight odor noted	
				Grades to:…and Brick	ND
7					
				Concrete Floor	ND
8				Red/brown CLAY & SILT, tr. f/c Sand, tr. Gravel, moist	
					ND
9					
					ND
10					
	3	10-15	60		ND
11					
					ND
12					
					ND
13					
					ND
14					
					ND
15					
	4	15-20	50		ND
16					
				Grades to:…wet	ND
18					
					ND
20					
				Bottom of Boring at 20 feet below grade	
22					
24					

Notes:

1) Organic vapor meter used to field screen and headspace soil samples.
2) ND - non detect on OVM

General Notes:

1) Stratification lines represent approximate boundary between soil. Transitions may be gradual. Depths are approximate.
2) Groundwater (GW) depths approximate at time of sampling. Fluctuations in groundwater may occur.
3) f=fine; m=medium; c=coarse
4) and (36-50%); some (21-35%); little (11-20%); trace (1-10%)

MC - Geoprobe Macrocore SS - Split Spoon SH - Shelby Tube BC - Bedrock Core

ANALYTICAL REPORT

Lab Number:	L1921330
Client:	Hazard Evaluations, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	PH. II ESA
Project Number:	36321
Report Date:	05/30/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921330-01	SB1 (2-5)	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 08:30	05/21/19
L1921330-02	SB8 (2.5-6.5')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 10:45	05/21/19
L1921330-03	SB14 (3-4')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 13:25	05/21/19
L1921330-04	SB1	WATER	140 CHANDLER ST., BUFFALO, NY	05/20/19 15:30	05/21/19
L1921330-05	SB10	WATER	140 CHANDLER ST., BUFFALO, NY	05/20/19 15:00	05/21/19
L1921330-06	SB13	WATER	140 CHANDLER ST., BUFFALO, NY	05/20/19 15:45	05/21/19
L1921330-07	TP3 (1-2.5')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 14:30	05/21/19
L1921330-08	SB3 (1-4')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 09:20	05/21/19
L1921330-09	SB4 (0-4')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 09:45	05/21/19
L1921330-10	SB12 (0-3')	SOIL	140 CHANDLER ST., BUFFALO, NY	05/20/19 12:40	05/21/19

Project Name:	PH. II ESA	**Lab Number:**	L1921330
Project Number:	36321	**Report Date:**	05/30/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1921330-01, -02, -03, -07, -08, and -09: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

L1921330-01, -02, -07 and -08: The sample has elevated detection limits due to the dilution required by the sample matrix.

Semivolatile Organics by SIM

L1921330-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

PCBs

L1921330-01 and -08: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1921330-07: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences.

L1921330-07: The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (20%) and decachlorobiphenyl (24%) due to interference with the Internal Standard.

Total Metals

L1921330-01, -02, and -07 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker Cristin Walker

Title: Technical Director/Representative Date: 05/30/19

ORGANICS

VOLATILES

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 14:56
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	340	160	1
1,1-Dichloroethane	ND		ug/kg	68	9.8	1
Chloroform	ND		ug/kg	100	9.5	1
Carbon tetrachloride	ND		ug/kg	68	16.	1
1,2-Dichloropropane	ND		ug/kg	68	8.5	1
Dibromochloromethane	ND		ug/kg	68	9.5	1
1,1,2-Trichloroethane	ND		ug/kg	68	18.	1
Tetrachloroethene	15	J	ug/kg	34	13.	1
Chlorobenzene	ND		ug/kg	34	8.6	1
Trichlorofluoromethane	ND		ug/kg	270	47.	1
1,2-Dichloroethane	ND		ug/kg	68	17.	1
1,1,1-Trichloroethane	ND		ug/kg	34	11.	1
Bromodichloromethane	ND		ug/kg	34	7.4	1
trans-1,3-Dichloropropene	ND		ug/kg	68	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	270	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	16	J	ug/kg	34	11.	1
Toluene	83		ug/kg	68	37.	1
Ethylbenzene	97		ug/kg	68	9.6	1
Chloromethane	ND		ug/kg	270	63.	1
Bromomethane	ND		ug/kg	140	39.	1
Vinyl chloride	ND		ug/kg	68	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	68	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.3	1
Trichloroethene	21	J	ug/kg	34	9.3	1
1,2-Dichlorobenzene	560		ug/kg	140	9.8	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 Date Collected: 05/20/19 08:30

Client ID: SB1 (2-5) Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	22	J	ug/kg	140	10.	1
1,4-Dichlorobenzene	50	J	ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	370		ug/kg	140	38.	1
o-Xylene	240		ug/kg	68	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	12.	1
Styrene	ND		ug/kg	68	13.	1
Dichlorodifluoromethane	ND		ug/kg	680	62.	1
Acetone	350	J	ug/kg	680	330	1
Carbon disulfide	ND		ug/kg	680	310	1
2-Butanone	ND		ug/kg	680	150	1
4-Methyl-2-pentanone	ND		ug/kg	680	87.	1
2-Hexanone	ND		ug/kg	680	80.	1
1,2-Dibromoethane	ND		ug/kg	68	19.	1
n-Butylbenzene	410		ug/kg	68	11.	1
sec-Butylbenzene	130		ug/kg	68	9.9	1
tert-Butylbenzene	34	J	ug/kg	140	8.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	68.	1
Isopropylbenzene	100		ug/kg	68	7.4	1
p-Isopropyltoluene	180		ug/kg	68	7.4	1
Naphthalene	6700		ug/kg	270	44.	1
n-Propylbenzene	410		ug/kg	68	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	18.	1
1,3,5-Trimethylbenzene	1400		ug/kg	140	13.	1
1,2,4-Trimethylbenzene	4000		ug/kg	140	23.	1
Methyl Acetate	580		ug/kg	270	64.	1
Cyclohexane	37	J	ug/kg	680	37.	1
Freon-113	ND		ug/kg	270	47.	1
Methyl cyclohexane	89	J	ug/kg	270	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 Date Collected: 05/20/19 10:45
Client ID: SB8 (2.5-6.5') Date Received: 05/21/19
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 15:22
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	310	140	1
1,1-Dichloroethane	260		ug/kg	62	9.0	1
Chloroform	ND		ug/kg	94	8.7	1
Carbon tetrachloride	ND		ug/kg	62	14.	1
1,2-Dichloropropane	ND		ug/kg	62	7.8	1
Dibromochloromethane	ND		ug/kg	62	8.7	1
1,1,2-Trichloroethane	ND		ug/kg	62	17.	1
Tetrachloroethene	86		ug/kg	31	12.	1
Chlorobenzene	530		ug/kg	31	7.9	1
Trichlorofluoromethane	ND		ug/kg	250	43.	1
1,2-Dichloroethane	ND		ug/kg	62	16.	1
1,1,1-Trichloroethane	230		ug/kg	31	10.	1
Bromodichloromethane	ND		ug/kg	31	6.8	1
trans-1,3-Dichloropropene	ND		ug/kg	62	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	31	9.8	1
Bromoform	ND		ug/kg	250	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	31	10.	1
Benzene	35		ug/kg	31	10.	1
Toluene	170		ug/kg	62	34.	1
Ethylbenzene	130		ug/kg	62	8.8	1
Chloromethane	ND		ug/kg	250	58.	1
Bromomethane	ND		ug/kg	120	36.	1
Vinyl chloride	ND		ug/kg	62	21.	1
Chloroethane	ND		ug/kg	120	28.	1
1,1-Dichloroethene	ND		ug/kg	62	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	94	8.5	1
Trichloroethene	24	J	ug/kg	31	8.5	1
1,2-Dichlorobenzene	4000		ug/kg	120	9.0	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 Date Collected: 05/20/19 10:45

Client ID: SB8 (2.5-6.5') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	290		ug/kg	120	9.2	1
1,4-Dichlorobenzene	740		ug/kg	120	11.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	840		ug/kg	120	35.	1
o-Xylene	540		ug/kg	62	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	62	11.	1
Styrene	ND		ug/kg	62	12.	1
Dichlorodifluoromethane	ND		ug/kg	620	57.	1
Acetone	820		ug/kg	620	300	1
Carbon disulfide	ND		ug/kg	620	280	1
2-Butanone	220	J	ug/kg	620	140	1
4-Methyl-2-pentanone	ND		ug/kg	620	80.	1
2-Hexanone	ND		ug/kg	620	74.	1
1,2-Dibromoethane	ND		ug/kg	62	17.	1
n-Butylbenzene	670		ug/kg	62	10.	1
sec-Butylbenzene	260		ug/kg	62	9.1	1
tert-Butylbenzene	28	J	ug/kg	120	7.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	62.	1
Isopropylbenzene	180		ug/kg	62	6.8	1
p-Isopropyltoluene	110		ug/kg	62	6.8	1
Naphthalene	2600		ug/kg	250	40.	1
n-Propylbenzene	520		ug/kg	62	11.	1
1,2,4-Trichlorobenzene	28	J	ug/kg	120	17.	1
1,3,5-Trimethylbenzene	750		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	5200		ug/kg	120	21.	1
Methyl Acetate	280		ug/kg	250	59.	1
Cyclohexane	41	J	ug/kg	620	34.	1
Freon-113	ND		ug/kg	250	43.	1
Methyl cyclohexane	150	J	ug/kg	250	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	125		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-03 Date Collected: 05/20/19 13:25
Client ID: SB14 (3-4') Date Received: 05/21/19
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 15:48
Analyst: JC
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	340	160	1
1,1-Dichloroethane	ND		ug/kg	68	9.9	1
Chloroform	ND		ug/kg	100	9.5	1
Carbon tetrachloride	ND		ug/kg	68	16.	1
1,2-Dichloropropane	ND		ug/kg	68	8.5	1
Dibromochloromethane	ND		ug/kg	68	9.5	1
1,1,2-Trichloroethane	ND		ug/kg	68	18.	1
Tetrachloroethene	ND		ug/kg	34	13.	1
Chlorobenzene	ND		ug/kg	34	8.6	1
Trichlorofluoromethane	ND		ug/kg	270	47.	1
1,2-Dichloroethane	ND		ug/kg	68	17.	1
1,1,1-Trichloroethane	ND		ug/kg	34	11.	1
Bromodichloromethane	ND		ug/kg	34	7.4	1
trans-1,3-Dichloropropene	ND		ug/kg	68	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	270	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	ND		ug/kg	34	11.	1
Toluene	500		ug/kg	68	37.	1
Ethylbenzene	31	J	ug/kg	68	9.6	1
Chloromethane	ND		ug/kg	270	63.	1
Bromomethane	ND		ug/kg	140	40.	1
Vinyl chloride	ND		ug/kg	68	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	68	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.3	1
Trichloroethene	ND		ug/kg	34	9.3	1
1,2-Dichlorobenzene	11	J	ug/kg	140	9.8	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-03 Date Collected: 05/20/19 13:25

Client ID: SB14 (3-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	50	J	ug/kg	140	14.	1
p/m-Xylene	110	J	ug/kg	140	38.	1
o-Xylene	120		ug/kg	68	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	12.	1
Styrene	ND		ug/kg	68	13.	1
Dichlorodifluoromethane	ND		ug/kg	680	62.	1
Acetone	ND		ug/kg	680	330	1
Carbon disulfide	ND		ug/kg	680	310	1
2-Butanone	ND		ug/kg	680	150	1
4-Methyl-2-pentanone	ND		ug/kg	680	87.	1
2-Hexanone	ND		ug/kg	680	80.	1
1,2-Dibromoethane	ND		ug/kg	68	19.	1
n-Butylbenzene	250		ug/kg	68	11.	1
sec-Butylbenzene	97		ug/kg	68	9.9	1
tert-Butylbenzene	18	J	ug/kg	140	8.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	68.	1
Isopropylbenzene	21	J	ug/kg	68	7.4	1
p-Isopropyltoluene	140		ug/kg	68	7.4	1
Naphthalene	130	J	ug/kg	270	44.	1
n-Propylbenzene	ND		ug/kg	68	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	18.	1
1,3,5-Trimethylbenzene	140		ug/kg	140	13.	1
1,2,4-Trimethylbenzene	670		ug/kg	140	23.	1
Methyl Acetate	69	J	ug/kg	270	65.	1
Cyclohexane	ND		ug/kg	680	37.	1
Freon-113	ND		ug/kg	270	47.	1
Methyl cyclohexane	120	J	ug/kg	270	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	91		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/19 09:34
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	0.92	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	0.89	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.64		ug/l	0.50	0.16	1
Toluene	1.2	J	ug/l	2.5	0.70	1
Ethylbenzene	0.89	J	ug/l	2.5	0.70	1
Chloromethane	2.1	J	ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.36	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.8		ug/l	2.5	0.70	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04 Date Collected: 05/20/19 15:30

Client ID: SB1 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	3.5		ug/l	2.5	0.70	1
o-Xylene	2.9		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	170		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	5.6		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	1.1	J	ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	0.80	J	ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.78	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	0.73	J	ug/l	2.5	0.70	1
Naphthalene	27		ug/l	2.5	0.70	1
n-Propylbenzene	2.0	J	ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	9.8		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	22		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.45	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	91		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/19 10:02
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05 Date Collected: 05/20/19 15:00

Client ID: SB10 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.6		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.29	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/25/19 10:31
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	2.5		ug/l	0.50	0.16	1
Toluene	5.0		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06 Date Collected: 05/20/19 15:45

Client ID: SB13 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	7.7		ug/l	2.5	0.70	1
p/m-Xylene	1.6	J	ug/l	2.5	0.70	1
o-Xylene	1.1	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.87	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.86	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.1	J	ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.1	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 Date Collected: 05/20/19 14:30
Client ID: TP3 (1-2.5') Date Received: 05/21/19
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 11:53
Analyst: JC
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	1.9		ug/kg	1.2	0.65	1
Ethylbenzene	0.24	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 Date Collected: 05/20/19 14:30

Client ID: TP3 (1-2.5') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	0.84	J	ug/kg	2.4	0.67	1
o-Xylene	2.9		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	33		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	3.0		ug/kg	1.2	0.20	1
sec-Butylbenzene	2.3		ug/kg	1.2	0.17	1
tert-Butylbenzene	0.60	J	ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	0.81	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	0.25	J	ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	1.9		ug/kg	1.2	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	0.58	J	ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	4.5		ug/kg	2.4	0.40	1
Methyl Acetate	12		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.65	1
Freon-113	ND		ug/kg	4.8	0.83	1
Methyl cyclohexane	ND		ug/kg	4.8	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 Date Collected: 05/20/19 09:20
Client ID: SB3 (1-4') Date Received: 05/21/19
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/19 16:14
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	210		ug/kg	60	8.6	1
Chloroform	ND		ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	60	14.	1
1,2-Dichloropropane	ND		ug/kg	60	7.4	1
Dibromochloromethane	ND		ug/kg	60	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	60	16.	1
Tetrachloroethene	32		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.6	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	60	15.	1
1,1,1-Trichloroethane	32		ug/kg	30	9.9	1
Bromodichloromethane	ND		ug/kg	30	6.5	1
trans-1,3-Dichloropropene	ND		ug/kg	60	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.9	1
Benzene	ND		ug/kg	30	9.9	1
Toluene	63		ug/kg	60	32.	1
Ethylbenzene	71		ug/kg	60	8.4	1
Chloromethane	ND		ug/kg	240	56.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	60	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	60	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.2	1
Trichloroethene	14	J	ug/kg	30	8.2	1
1,2-Dichlorobenzene	3700		ug/kg	120	8.6	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 Date Collected: 05/20/19 09:20

Client ID: SB3 (1-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	140		ug/kg	120	8.8	1
1,4-Dichlorobenzene	320		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	270		ug/kg	120	33.	1
o-Xylene	140		ug/kg	60	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	10.	1
Styrene	ND		ug/kg	60	12.	1
Dichlorodifluoromethane	ND		ug/kg	600	54.	1
Acetone	590	J	ug/kg	600	290	1
Carbon disulfide	ND		ug/kg	600	270	1
2-Butanone	ND		ug/kg	600	130	1
4-Methyl-2-pentanone	ND		ug/kg	600	76.	1
2-Hexanone	ND		ug/kg	600	70.	1
1,2-Dibromoethane	ND		ug/kg	60	17.	1
n-Butylbenzene	190		ug/kg	60	9.9	1
sec-Butylbenzene	62		ug/kg	60	8.7	1
tert-Butylbenzene	17	J	ug/kg	120	7.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Isopropylbenzene	34	J	ug/kg	60	6.5	1
p-Isopropyltoluene	95		ug/kg	60	6.5	1
Naphthalene	2100		ug/kg	240	39.	1
n-Propylbenzene	90		ug/kg	60	10.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	440		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	1000		ug/kg	120	20.	1
Methyl Acetate	660		ug/kg	240	56.	1
Cyclohexane	ND		ug/kg	600	32.	1
Freon-113	ND		ug/kg	240	41.	1
Methyl cyclohexane	56	J	ug/kg	240	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	119		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/28/19 09:01
Analyst: MV
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	0.34	J	ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	0.27	J	ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	0.95	J	ug/kg	1.2	0.66	1
Ethylbenzene	1.2		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	14		ug/kg	2.4	0.17	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09 Date Collected: 05/20/19 09:45

Client ID: SB4 (0-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	0.39	J	ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	0.74	J	ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	5.3		ug/kg	2.4	0.68	1
o-Xylene	3.2		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	88		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	8.4	J	ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	0.82	J	ug/kg	1.2	0.20	1
sec-Butylbenzene	0.63	J	ug/kg	1.2	0.18	1
tert-Butylbenzene	0.16	J	ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	0.37	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	0.62	J	ug/kg	1.2	0.13	1
Naphthalene	12		ug/kg	4.9	0.79	1
n-Propylbenzene	0.87	J	ug/kg	1.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	5.3		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	13		ug/kg	2.4	0.40	1
Methyl Acetate	14		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.66	1
Freon-113	ND		ug/kg	4.9	0.84	1
Methyl cyclohexane	ND		ug/kg	4.9	0.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	124		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	95		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 07:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1241541-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 07:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1241541-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 07:40
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1241541-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1241674-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1241674-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.22	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1241674-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03,08 Batch: WG1241675-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03,08 Batch: WG1241675-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	11	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/19 08:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03,08 Batch: WG1241675-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1241791-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1241791-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.21	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/28/19 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1241791-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1241541-3 WG1241541-4								
Methylene chloride	95		97		70-130	2		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	93		94		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	90		94		63-130	4		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	91		92		70-130	1		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	92		92		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	96		98		67-130	2		20
Bromodichloromethane	97		99		67-130	2		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	84		89		54-136	6		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	93		92		64-130	1		20
Bromomethane	40		40		39-139	0		20
Vinyl chloride	95		95		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1241541-3 WG1241541-4								
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	90		91		61-145	1		20
trans-1,2-Dichloroethene	94		95		70-130	1		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	95		98		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	77		77		36-147	0		20
Acetone	100		100		58-148	0		20
Carbon disulfide	95		96		51-130	1		20
2-Butanone	100		120		63-138	18		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	120		120		57-130	0		20
1,2-Dibromoethane	94		99		70-130	5		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	110		120		70-130	9		20
tert-Butylbenzene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	72		78		41-144	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1241541-3 WG1241541-4								
Isopropylbenzene	110		120		70-130	9		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	82		89		70-130	8		20
n-Propylbenzene	120		120		69-130	0		20
1,2,4-Trichlorobenzene	87		92		70-130	6		20
1,3,5-Trimethylbenzene	110		120		64-130	9		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
Methyl Acetate	110		120		70-130	9		20
Cyclohexane	110		110		70-130	0		20
Freon-113	93		93		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		113		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	94		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1241674-3 WG1241674-4								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	102		102		70-130	0		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	102		107		70-130	5		30
Dibromochloromethane	108		112		70-130	4		30
1,1,2-Trichloroethane	115		123		70-130	7		30
Tetrachloroethene	106		111		70-130	5		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	87		88		70-139	1		30
1,2-Dichloroethane	104		104		70-130	0		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	97		102		70-130	5		30
trans-1,3-Dichloropropene	117		124		70-130	6		30
cis-1,3-Dichloropropene	99		106		70-130	7		30
Bromoform	99		110		70-130	11		30
1,1,2,2-Tetrachloroethane	108		114		70-130	5		30
Benzene	104		104		70-130	0		30
Toluene	110		113		70-130	3		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	94		90		52-130	4		30
Bromomethane	112		108		57-147	4		30
Vinyl chloride	94		88		67-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1241674-3 WG1241674-4								
Chloroethane	101		98		50-151	3		30
1,1-Dichloroethene	96		94		65-135	2		30
trans-1,2-Dichloroethene	100		100		70-130	0		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	104		102		70-130	2		30
1,3-Dichlorobenzene	107		110		70-130	3		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	108		105		70-130	3		30
o-Xylene	104		116		70-130	11		30
cis-1,2-Dichloroethene	100		100		70-130	0		30
Styrene	107		119		70-130	11		30
Dichlorodifluoromethane	81		80		30-146	1		30
Acetone	128		116		54-140	10		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	101		98		70-130	3		30
4-Methyl-2-pentanone	116		118		70-130	2		30
2-Hexanone	98		93		70-130	5		30
1,2-Dibromoethane	112		116		70-130	4		30
n-Butylbenzene	108		109		70-130	1		30
sec-Butylbenzene	102		114		70-130	11		30
tert-Butylbenzene	95		111		70-130	16		30
1,2-Dibromo-3-chloropropane	91		97		68-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1241674-3 WG1241674-4								
Isopropylbenzene	102		111		70-130	8		30
p-Isopropyltoluene	106		105		70-130	1		30
Naphthalene	99		103		70-130	4		30
n-Propylbenzene	109		116		70-130	6		30
1,2,4-Trichlorobenzene	105		110		70-130	5		30
1,3,5-Trimethylbenzene	106		114		70-130	7		30
1,2,4-Trimethylbenzene	107		116		70-130	8		30
Methyl Acetate	115		110		51-146	4		30
Cyclohexane	102		100		59-142	2		30
Freon-113	95		94		50-139	1		30
Methyl cyclohexane	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	108		112		70-130
4-Bromofluorobenzene	99		108		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03,08 Batch: WG1241675-3 WG1241675-4								
Methylene chloride	104		104		70-130	0		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	102		102		70-130	0		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	102		107		70-130	5		30
Dibromochloromethane	108		112		70-130	4		30
1,1,2-Trichloroethane	115		123		70-130	7		30
Tetrachloroethene	106		111		70-130	5		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	87		88		70-139	1		30
1,2-Dichloroethane	104		104		70-130	0		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	97		102		70-130	5		30
trans-1,3-Dichloropropene	117		124		70-130	6		30
cis-1,3-Dichloropropene	99		106		70-130	7		30
Bromoform	99		110		70-130	11		30
1,1,2,2-Tetrachloroethane	108		114		70-130	5		30
Benzene	104		104		70-130	0		30
Toluene	110		113		70-130	3		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	94		90		52-130	4		30
Bromomethane	112		108		57-147	4		30
Vinyl chloride	94		88		67-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03,08 Batch: WG1241675-3 WG1241675-4								
Chloroethane	101		98		50-151	3		30
1,1-Dichloroethene	96		94		65-135	2		30
trans-1,2-Dichloroethene	100		100		70-130	0		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	104		102		70-130	2		30
1,3-Dichlorobenzene	107		110		70-130	3		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	108		105		70-130	3		30
o-Xylene	104		116		70-130	11		30
cis-1,2-Dichloroethene	100		100		70-130	0		30
Styrene	107		119		70-130	11		30
Dichlorodifluoromethane	81		80		30-146	1		30
Acetone	128		116		54-140	10		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	101		98		70-130	3		30
4-Methyl-2-pentanone	116		118		70-130	2		30
2-Hexanone	98		93		70-130	5		30
1,2-Dibromoethane	112		116		70-130	4		30
n-Butylbenzene	108		109		70-130	1		30
sec-Butylbenzene	102		114		70-130	11		30
tert-Butylbenzene	95		111		70-130	16		30
1,2-Dibromo-3-chloropropane	91		97		68-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03,08 Batch: WG1241675-3 WG1241675-4								
Isopropylbenzene	102		111		70-130	8		30
p-Isopropyltoluene	106		105		70-130	1		30
Naphthalene	99		103		70-130	4		30
n-Propylbenzene	109		116		70-130	6		30
1,2,4-Trichlorobenzene	105		110		70-130	5		30
1,3,5-Trimethylbenzene	106		114		70-130	7		30
1,2,4-Trimethylbenzene	107		116		70-130	8		30
Methyl Acetate	115		110		51-146	4		30
Cyclohexane	102		100		59-142	2		30
Freon-113	95		94		50-139	1		30
Methyl cyclohexane	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	108		112		70-130
4-Bromofluorobenzene	99		108		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1241791-3 WG1241791-4								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	110		102		70-130	8		30
Chloroform	108		99		70-130	9		30
Carbon tetrachloride	110		100		70-130	10		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	99		99		70-130	0		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	102		99		70-130	3		30
Chlorobenzene	102		101		70-130	1		30
Trichlorofluoromethane	90		85		70-139	6		30
1,2-Dichloroethane	103		102		70-130	1		30
1,1,1-Trichloroethane	110		100		70-130	10		30
Bromodichloromethane	95		99		70-130	4		30
trans-1,3-Dichloropropene	107		107		70-130	0		30
cis-1,3-Dichloropropene	101		105		70-130	4		30
Bromoform	113		117		70-130	3		30
1,1,2,2-Tetrachloroethane	114		94		70-130	19		30
Benzene	109		101		70-130	8		30
Toluene	97		100		70-130	3		30
Ethylbenzene	104		102		70-130	2		30
Chloromethane	70		69		52-130	1		30
Bromomethane	106		97		57-147	9		30
Vinyl chloride	83		78		67-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1241791-3 WG1241791-4								
Chloroethane	96		87		50-151	10		30
1,1-Dichloroethene	104		92		65-135	12		30
trans-1,2-Dichloroethene	107		99		70-130	8		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	98		101		70-130	3		30
1,3-Dichlorobenzene	105		102		70-130	3		30
1,4-Dichlorobenzene	100		100		70-130	0		30
Methyl tert butyl ether	106		100		66-130	6		30
p/m-Xylene	104		102		70-130	2		30
o-Xylene	104		102		70-130	2		30
cis-1,2-Dichloroethene	107		99		70-130	8		30
Styrene	105		103		70-130	2		30
Dichlorodifluoromethane	53		50		30-146	6		30
Acetone	122		109		54-140	11		30
Carbon disulfide	93		85		59-130	9		30
2-Butanone	97		90		70-130	7		30
4-Methyl-2-pentanone	101		100		70-130	1		30
2-Hexanone	93		87		70-130	7		30
1,2-Dibromoethane	101		102		70-130	1		30
n-Butylbenzene	106		106		70-130	0		30
sec-Butylbenzene	108		103		70-130	5		30
tert-Butylbenzene	114		101		70-130	12		30
1,2-Dibromo-3-chloropropane	88		91		68-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1241791-3 WG1241791-4								
Isopropylbenzene	121		121		70-130	0		30
p-Isopropyltoluene	106		101		70-130	5		30
Naphthalene	91		118		70-130	26		30
n-Propylbenzene	122		98		70-130	22		30
1,2,4-Trichlorobenzene	104		120		70-130	14		30
1,3,5-Trimethylbenzene	122		100		70-130	20		30
1,2,4-Trimethylbenzene	111		103		70-130	7		30
Methyl Acetate	107		102		51-146	5		30
Cyclohexane	110		101		59-142	9		30
Freon-113	105		96		50-139	9		30
Methyl cyclohexane	101		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		101		70-130
Toluene-d8	96		103		70-130
4-Bromofluorobenzene	118		105		70-130
Dibromofluoromethane	102		96		70-130

SEMIVOLATILES

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/30/19 11:54
Analyst: JG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/29/19 12:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	800	100	5
Hexachlorobenzene	ND		ug/kg	600	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	900	130	5
2-Chloronaphthalene	ND		ug/kg	1000	99.	5
3,3'-Dichlorobenzidine	ND		ug/kg	1000	260	5
2,4-Dinitrotoluene	ND		ug/kg	1000	200	5
2,6-Dinitrotoluene	ND		ug/kg	1000	170	5
Fluoranthene	11000		ug/kg	600	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1000	110	5
4-Bromophenyl phenyl ether	ND		ug/kg	1000	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	170	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1100	100	5
Hexachlorobutadiene	ND		ug/kg	1000	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	900	5
Hexachloroethane	ND		ug/kg	800	160	5
Isophorone	ND		ug/kg	900	130	5
Naphthalene	3400		ug/kg	1000	120	5
Nitrobenzene	ND		ug/kg	900	150	5
NDPA/DPA	280	J	ug/kg	800	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1000	150	5
Bis(2-ethylhexyl)phthalate	1100		ug/kg	1000	340	5
Butyl benzyl phthalate	ND		ug/kg	1000	250	5
Di-n-butylphthalate	ND		ug/kg	1000	190	5
Di-n-octylphthalate	ND		ug/kg	1000	340	5
Diethyl phthalate	ND		ug/kg	1000	92.	5
Dimethyl phthalate	ND		ug/kg	1000	210	5
Benzo(a)anthracene	4900		ug/kg	600	110	5
Benzo(a)pyrene	3800		ug/kg	800	240	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D Date Collected: 05/20/19 08:30

Client ID: SB1 (2-5) Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	5100		ug/kg	600	170	5
Benzo(k)fluoranthene	1600		ug/kg	600	160	5
Chrysene	4400		ug/kg	600	100	5
Acenaphthylene	530	J	ug/kg	800	150	5
Anthracene	3200		ug/kg	600	190	5
Benzo(ghi)perylene	2000		ug/kg	800	120	5
Fluorene	2800		ug/kg	1000	97.	5
Phenanthrene	14000		ug/kg	600	120	5
Dibenzo(a,h)anthracene	530	J	ug/kg	600	120	5
Indeno(1,2,3-cd)pyrene	2100		ug/kg	800	140	5
Pyrene	8100		ug/kg	600	99.	5
Biphenyl	370	J	ug/kg	2300	230	5
4-Chloroaniline	ND		ug/kg	1000	180	5
2-Nitroaniline	ND		ug/kg	1000	190	5
3-Nitroaniline	ND		ug/kg	1000	190	5
4-Nitroaniline	ND		ug/kg	1000	410	5
Dibenzofuran	1900		ug/kg	1000	94.	5
2-Methylnaphthalene	1600		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1000	100	5
Acetophenone	ND		ug/kg	1000	120	5
2,4,6-Trichlorophenol	ND		ug/kg	600	190	5
p-Chloro-m-cresol	ND		ug/kg	1000	150	5
2-Chlorophenol	ND		ug/kg	1000	120	5
2,4-Dichlorophenol	ND		ug/kg	900	160	5
2,4-Dimethylphenol	ND		ug/kg	1000	330	5
2-Nitrophenol	ND		ug/kg	2100	370	5
4-Nitrophenol	ND		ug/kg	1400	410	5
2,4-Dinitrophenol	ND		ug/kg	4800	460	5
4,6-Dinitro-o-cresol	ND		ug/kg	2600	480	5
Pentachlorophenol	ND		ug/kg	800	220	5
Phenol	ND		ug/kg	1000	150	5
2-Methylphenol	ND		ug/kg	1000	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	160	5
2,4,5-Trichlorophenol	ND		ug/kg	1000	190	5
Carbazole	1600		ug/kg	1000	97.	5
Atrazine	ND		ug/kg	800	350	5
Benzaldehyde	ND		ug/kg	1300	270	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1000	300	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1000	200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**17**	Q	25-120
Phenol-d6	38		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	14		10-136
4-Terphenyl-d14	71		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 D
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/24/19 22:49
Analyst: RC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2200		ug/kg	780	100	5
Hexachlorobenzene	ND		ug/kg	580	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	880	130	5
2-Chloronaphthalene	ND		ug/kg	980	97.	5
3,3'-Dichlorobenzidine	ND		ug/kg	980	260	5
2,4-Dinitrotoluene	ND		ug/kg	980	200	5
2,6-Dinitrotoluene	ND		ug/kg	980	170	5
Fluoranthene	5200		ug/kg	580	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	980	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	980	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	170	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	98.	5
Hexachlorobutadiene	ND		ug/kg	980	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2800	880	5
Hexachloroethane	ND		ug/kg	780	160	5
Isophorone	ND		ug/kg	880	130	5
Naphthalene	2100		ug/kg	980	120	5
Nitrobenzene	ND		ug/kg	880	140	5
NDPA/DPA	ND		ug/kg	780	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	980	150	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	980	340	5
Butyl benzyl phthalate	ND		ug/kg	980	250	5
Di-n-butylphthalate	ND		ug/kg	980	180	5
Di-n-octylphthalate	ND		ug/kg	980	330	5
Diethyl phthalate	ND		ug/kg	980	90.	5
Dimethyl phthalate	ND		ug/kg	980	200	5
Benzo(a)anthracene	2300		ug/kg	580	110	5
Benzo(a)pyrene	2300		ug/kg	780	240	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 D Date Collected: 05/20/19 10:45

Client ID: SB8 (2.5-6.5') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	3400		ug/kg	580	160	5
Benzo(k)fluoranthene	910		ug/kg	580	160	5
Chrysene	2400		ug/kg	580	100	5
Acenaphthylene	ND		ug/kg	780	150	5
Anthracene	1800		ug/kg	580	190	5
Benzo(ghi)perylene	1600		ug/kg	780	110	5
Fluorene	3200		ug/kg	980	95.	5
Phenanthrene	9200		ug/kg	580	120	5
Dibenzo(a,h)anthracene	360	J	ug/kg	580	110	5
Indeno(1,2,3-cd)pyrene	1600		ug/kg	780	140	5
Pyrene	4500		ug/kg	580	97.	5
Biphenyl	ND		ug/kg	2200	230	5
4-Chloroaniline	ND		ug/kg	980	180	5
2-Nitroaniline	ND		ug/kg	980	190	5
3-Nitroaniline	ND		ug/kg	980	180	5
4-Nitroaniline	ND		ug/kg	980	400	5
Dibenzofuran	1500		ug/kg	980	92.	5
2-Methylnaphthalene	11000		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	980	100	5
Acetophenone	ND		ug/kg	980	120	5
2,4,6-Trichlorophenol	ND		ug/kg	580	180	5
p-Chloro-m-cresol	ND		ug/kg	980	140	5
2-Chlorophenol	ND		ug/kg	980	120	5
2,4-Dichlorophenol	ND		ug/kg	880	160	5
2,4-Dimethylphenol	ND		ug/kg	980	320	5
2-Nitrophenol	ND		ug/kg	2100	370	5
4-Nitrophenol	ND		ug/kg	1400	400	5
2,4-Dinitrophenol	ND		ug/kg	4700	460	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	470	5
Pentachlorophenol	ND		ug/kg	780	210	5
Phenol	ND		ug/kg	980	150	5
2-Methylphenol	ND		ug/kg	980	150	5
3-Methylphenol/4-Methylphenol	440	J	ug/kg	1400	150	5
2,4,5-Trichlorophenol	ND		ug/kg	980	190	5
Carbazole	630	J	ug/kg	980	95.	5
Atrazine	ND		ug/kg	780	340	5
Benzaldehyde	ND		ug/kg	1300	260	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02 D Date Collected: 05/20/19 10:45

Client ID: SB8 (2.5-6.5') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	980	300	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	980	200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	73		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/24/19 20:41
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	1.8	J	ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	6.7		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04 Date Collected: 05/20/19 15:30

Client ID: SB1 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	5.0		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	3.6	J	ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	11.		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	82		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04 D
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/30/19 12:57
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.2		ug/l	0.50	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	16		ug/l	0.50	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	35		ug/l	0.50	0.22	5
Benzo(a)anthracene	4.8		ug/l	0.50	0.09	5
Benzo(a)pyrene	3.2		ug/l	0.50	0.20	5
Benzo(b)fluoranthene	4.6		ug/l	0.50	0.08	5
Benzo(k)fluoranthene	1.7		ug/l	0.50	0.21	5
Chrysene	4.8		ug/l	0.50	0.19	5
Acenaphthylene	0.98		ug/l	0.50	0.18	5
Anthracene	6.2		ug/l	0.50	0.18	5
Benzo(ghi)perylene	1.7		ug/l	0.50	0.21	5
Fluorene	9.4		ug/l	0.50	0.18	5
Phenanthrene	30		ug/l	0.50	0.08	5
Dibenzo(a,h)anthracene	0.43	J	ug/l	0.50	0.20	5
Indeno(1,2,3-cd)pyrene	1.6		ug/l	0.50	0.20	5
Pyrene	12		ug/l	0.50	0.20	5
2-Methylnaphthalene	8.8		ug/l	0.50	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-04 D
Client ID: SB1
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	98		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/24/19 23:28
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05 Date Collected: 05/20/19 15:00

Client ID: SB10 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	0.92	J	ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	83		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05
Client ID: SB10
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:00
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/30/19 12:33
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.63		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.62		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.78		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.15		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.11		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.19		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.08	J	ug/l	0.10	0.04	1
Chrysene	0.16		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	0.26		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.08	J	ug/l	0.10	0.04	1
Fluorene	0.40		ug/l	0.10	0.04	1
Phenanthrene	0.91		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.07	J	ug/l	0.10	0.04	1
Pyrene	0.46		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.18		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-05 Date Collected: 05/20/19 15:00

Client ID: SB10 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	84		41-149

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/25/19 00:19
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06 Date Collected: 05/20/19 15:45

Client ID: SB13 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	2.9	J	ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	0.74	J	ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	88		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06
Client ID: SB13
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 15:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/30/19 12:09
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.30		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.34		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.38		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.10		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.08	J	ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.12		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.04	1
Chrysene	0.11		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	0.12		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.06	J	ug/l	0.10	0.04	1
Fluorene	0.20		ug/l	0.10	0.04	1
Phenanthrene	0.63		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.10	0.04	1
Pyrene	0.25		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.18		ug/l	0.10	0.05	1
Pentachlorophenol	0.61	J	ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-06 Date Collected: 05/20/19 15:45

Client ID: SB13 Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	87		41-149

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 D
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/29/19 02:01
Analyst: SZ
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	880	110	5
Hexachlorobenzene	ND		ug/kg	660	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	980	150	5
2-Chloronaphthalene	ND		ug/kg	1100	110	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	290	5
2,4-Dinitrotoluene	ND		ug/kg	1100	220	5
2,6-Dinitrotoluene	ND		ug/kg	1100	190	5
Fluoranthene	360	J	ug/kg	660	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	120	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	170	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	190	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	110	5
Hexachlorobutadiene	ND		ug/kg	1100	160	5
Hexachlorocyclopentadiene	ND		ug/kg	3100	990	5
Hexachloroethane	ND		ug/kg	880	180	5
Isophorone	ND		ug/kg	980	140	5
Naphthalene	ND		ug/kg	1100	130	5
Nitrobenzene	ND		ug/kg	980	160	5
NDPA/DPA	ND		ug/kg	880	120	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	170	5
Bis(2-ethylhexyl)phthalate	2800		ug/kg	1100	380	5
Butyl benzyl phthalate	ND		ug/kg	1100	280	5
Di-n-butylphthalate	ND		ug/kg	1100	210	5
Di-n-octylphthalate	ND		ug/kg	1100	370	5
Diethyl phthalate	ND		ug/kg	1100	100	5
Dimethyl phthalate	ND		ug/kg	1100	230	5
Benzo(a)anthracene	290	J	ug/kg	660	120	5
Benzo(a)pyrene	ND		ug/kg	880	270	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 D
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	360	J	ug/kg	660	180	5
Benzo(k)fluoranthene	ND		ug/kg	660	180	5
Chrysene	310	J	ug/kg	660	110	5
Acenaphthylene	ND		ug/kg	880	170	5
Anthracene	ND		ug/kg	660	210	5
Benzo(ghi)perylene	180	J	ug/kg	880	130	5
Fluorene	ND		ug/kg	1100	110	5
Phenanthrene	200	J	ug/kg	660	130	5
Dibenzo(a,h)anthracene	ND		ug/kg	660	130	5
Indeno(1,2,3-cd)pyrene	180	J	ug/kg	880	150	5
Pyrene	370	J	ug/kg	660	110	5
Biphenyl	ND		ug/kg	2500	250	5
4-Chloroaniline	ND		ug/kg	1100	200	5
2-Nitroaniline	ND		ug/kg	1100	210	5
3-Nitroaniline	ND		ug/kg	1100	210	5
4-Nitroaniline	ND		ug/kg	1100	450	5
Dibenzofuran	ND		ug/kg	1100	100	5
2-Methylnaphthalene	ND		ug/kg	1300	130	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	110	5
Acetophenone	ND		ug/kg	1100	140	5
2,4,6-Trichlorophenol	ND		ug/kg	660	210	5
p-Chloro-m-cresol	ND		ug/kg	1100	160	5
2-Chlorophenol	ND		ug/kg	1100	130	5
2,4-Dichlorophenol	ND		ug/kg	980	180	5
2,4-Dimethylphenol	ND		ug/kg	1100	360	5
2-Nitrophenol	ND		ug/kg	2400	410	5
4-Nitrophenol	ND		ug/kg	1500	450	5
2,4-Dinitrophenol	ND		ug/kg	5200	510	5
4,6-Dinitro-o-cresol	ND		ug/kg	2800	520	5
Pentachlorophenol	ND		ug/kg	880	240	5
Phenol	ND		ug/kg	1100	160	5
2-Methylphenol	ND		ug/kg	1100	170	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1600	170	5
2,4,5-Trichlorophenol	ND		ug/kg	1100	210	5
Carbazole	ND		ug/kg	1100	110	5
Atrazine	ND		ug/kg	880	380	5
Benzaldehyde	ND		ug/kg	1400	300	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07 D
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1100	330	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1100	220	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	**141**	Q	23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	82		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/29/19 15:37
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	730	95.	5
Hexachlorobenzene	ND		ug/kg	550	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	120	5
2-Chloronaphthalene	ND		ug/kg	920	91.	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	240	5
2,4-Dinitrotoluene	ND		ug/kg	920	180	5
2,6-Dinitrotoluene	ND		ug/kg	920	160	5
Fluoranthene	11000		ug/kg	550	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	920	98.	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	990	92.	5
Hexachlorobutadiene	ND		ug/kg	920	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	830	5
Hexachloroethane	ND		ug/kg	730	150	5
Isophorone	ND		ug/kg	830	120	5
Naphthalene	1400		ug/kg	920	110	5
Nitrobenzene	ND		ug/kg	830	140	5
NDPA/DPA	ND		ug/kg	730	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	920	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	920	320	5
Butyl benzyl phthalate	ND		ug/kg	920	230	5
Di-n-butylphthalate	ND		ug/kg	920	170	5
Di-n-octylphthalate	ND		ug/kg	920	310	5
Diethyl phthalate	ND		ug/kg	920	85.	5
Dimethyl phthalate	ND		ug/kg	920	190	5
Benzo(a)anthracene	6200		ug/kg	550	100	5
Benzo(a)pyrene	4100		ug/kg	730	220	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D Date Collected: 05/20/19 09:20

Client ID: SB3 (1-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	5800		ug/kg	550	150	5
Benzo(k)fluoranthene	2100		ug/kg	550	150	5
Chrysene	4800		ug/kg	550	96.	5
Acenaphthylene	810		ug/kg	730	140	5
Anthracene	3400		ug/kg	550	180	5
Benzo(ghi)perylene	2400		ug/kg	730	110	5
Fluorene	2200		ug/kg	920	89.	5
Phenanthrene	12000		ug/kg	550	110	5
Dibenzo(a,h)anthracene	790		ug/kg	550	110	5
Indeno(1,2,3-cd)pyrene	2800		ug/kg	730	130	5
Pyrene	8800		ug/kg	550	91.	5
Biphenyl	260	J	ug/kg	2100	210	5
4-Chloroaniline	ND		ug/kg	920	170	5
2-Nitroaniline	ND		ug/kg	920	180	5
3-Nitroaniline	ND		ug/kg	920	170	5
4-Nitroaniline	ND		ug/kg	920	380	5
Dibenzofuran	1400		ug/kg	920	87.	5
2-Methylnaphthalene	840	J	ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	96.	5
Acetophenone	ND		ug/kg	920	110	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
p-Chloro-m-cresol	ND		ug/kg	920	140	5
2-Chlorophenol	ND		ug/kg	920	110	5
2,4-Dichlorophenol	ND		ug/kg	830	150	5
2,4-Dimethylphenol	ND		ug/kg	920	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	730	200	5
Phenol	ND		ug/kg	920	140	5
2-Methylphenol	ND		ug/kg	920	140	5
3-Methylphenol/4-Methylphenol	320	J	ug/kg	1300	140	5
2,4,5-Trichlorophenol	ND		ug/kg	920	180	5
Carbazole	1400		ug/kg	920	89.	5
Atrazine	ND		ug/kg	730	320	5
Benzaldehyde	ND		ug/kg	1200	250	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	920	280	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	920	180	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	10		10-136
4-Terphenyl-d14	74		18-120

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/24/19 21:58
Analyst: RC
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	300		ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	2500		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	320		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	420		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	1200		ug/kg	130	25.	1
Benzo(a)pyrene	1200		ug/kg	180	54.	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09 Date Collected: 05/20/19 09:45

Client ID: SB4 (0-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	1600		ug/kg	130	37.	1
Benzo(k)fluoranthene	540		ug/kg	130	35.	1
Chrysene	1100		ug/kg	130	23.	1
Acenaphthylene	110	J	ug/kg	180	34.	1
Anthracene	620		ug/kg	130	43.	1
Benzo(ghi)perylene	890		ug/kg	180	26.	1
Fluorene	430		ug/kg	220	21.	1
Phenanthrene	2600		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	180		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	800		ug/kg	180	31.	1
Pyrene	2000		ug/kg	130	22.	1
Biphenyl	60	J	ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	260		ug/kg	220	21.	1
2-Methylnaphthalene	190	J	ug/kg	260	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	78	J	ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	60	J	ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	310		ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	60.	1

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09 Date Collected: 05/20/19 09:45

Client ID: SB4 (0-4') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	90		18-120

Project Name: PH. II ESA
Lab Number: L1921330
Project Number: 36321
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D2
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/29/19 16:03
Analyst: SZ
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	38000		ug/kg	1300	270	10

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/24/19 23:14
Analyst: RC
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	8100		ug/kg	900	120	5
Hexachlorobenzene	ND		ug/kg	670	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	1000	150	5
2-Chloronaphthalene	ND		ug/kg	1100	110	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	300	5
2,4-Dinitrotoluene	ND		ug/kg	1100	220	5
2,6-Dinitrotoluene	ND		ug/kg	1100	190	5
Fluoranthene	37000		ug/kg	670	130	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	120	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	170	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	190	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	110	5
Hexachlorobutadiene	ND		ug/kg	1100	160	5
Hexachlorocyclopentadiene	ND		ug/kg	3200	1000	5
Hexachloroethane	ND		ug/kg	900	180	5
Isophorone	ND		ug/kg	1000	140	5
Naphthalene	4600		ug/kg	1100	140	5
Nitrobenzene	ND		ug/kg	1000	170	5
NDPA/DPA	ND		ug/kg	900	130	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	170	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1100	390	5
Butyl benzyl phthalate	ND		ug/kg	1100	280	5
Di-n-butylphthalate	ND		ug/kg	1100	210	5
Di-n-octylphthalate	ND		ug/kg	1100	380	5
Diethyl phthalate	ND		ug/kg	1100	100	5
Dimethyl phthalate	ND		ug/kg	1100	240	5
Benzo(a)anthracene	18000		ug/kg	670	130	5
Benzo(a)pyrene	16000		ug/kg	900	270	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D Date Collected: 05/20/19 12:40

Client ID: SB12 (0-3') Date Received: 05/21/19

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	20000		ug/kg	670	190	5
Benzo(k)fluoranthene	6700		ug/kg	670	180	5
Chrysene	16000		ug/kg	670	120	5
Acenaphthylene	200	J	ug/kg	900	170	5
Anthracene	14000		ug/kg	670	220	5
Benzo(ghi)perylene	9700		ug/kg	900	130	5
Fluorene	10000		ug/kg	1100	110	5
Phenanthrene	45000	E	ug/kg	670	140	5
Dibenzo(a,h)anthracene	2600		ug/kg	670	130	5
Indeno(1,2,3-cd)pyrene	9700		ug/kg	900	160	5
Pyrene	29000		ug/kg	670	110	5
Biphenyl	900	J	ug/kg	2600	260	5
4-Chloroaniline	ND		ug/kg	1100	200	5
2-Nitroaniline	ND		ug/kg	1100	220	5
3-Nitroaniline	ND		ug/kg	1100	210	5
4-Nitroaniline	ND		ug/kg	1100	460	5
Dibenzofuran	6800		ug/kg	1100	110	5
2-Methylnaphthalene	2800		ug/kg	1300	140	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	120	5
Acetophenone	ND		ug/kg	1100	140	5
2,4,6-Trichlorophenol	ND		ug/kg	670	210	5
p-Chloro-m-cresol	ND		ug/kg	1100	170	5
2-Chlorophenol	ND		ug/kg	1100	130	5
2,4-Dichlorophenol	ND		ug/kg	1000	180	5
2,4-Dimethylphenol	ND		ug/kg	1100	370	5
2-Nitrophenol	ND		ug/kg	2400	420	5
4-Nitrophenol	ND		ug/kg	1600	460	5
2,4-Dinitrophenol	ND		ug/kg	5400	520	5
4,6-Dinitro-o-cresol	ND		ug/kg	2900	540	5
Pentachlorophenol	ND		ug/kg	900	250	5
Phenol	ND		ug/kg	1100	170	5
2-Methylphenol	ND		ug/kg	1100	170	5
3-Methylphenol/4-Methylphenol	180	J	ug/kg	1600	180	5
2,4,5-Trichlorophenol	ND		ug/kg	1100	220	5
Carbazole	6700		ug/kg	1100	110	5
Atrazine	ND		ug/kg	900	390	5
Benzaldehyde	ND		ug/kg	1500	300	5

Project Name: PH. II ESA **Lab Number:** L1921330

Project Number: 36321 **Report Date:** 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10 D
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1100	340	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1100	230	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	78		18-120

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/23/19 07:30
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,07-10 Batch: WG1240126-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/23/19 07:30
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,07-10 Batch: WG1240126-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/23/19 07:30
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/22/19 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,07-10 Batch: WG1240126-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	97		18-120

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/24/19 18:07
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1240684-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	3.0	0.63
Dimethyl phthalate	ND		ug/l	3.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/24/19 18:07
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1240684-1					
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	92		41-149

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/25/19 16:19
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-06 Batch: WG1240685-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/25/19 16:19
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 05/23/19 22:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-06 Batch: WG1240685-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	74		41-149

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/29/19 23:53
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/29/19 10:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1242185-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/29/19 23:53
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/29/19 10:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1242185-1					
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/29/19 23:53
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/29/19 10:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1242185-1					
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Carbazole	ND		ug/kg	170	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	170	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								
Acenaphthene	76		71		31-137	7		50
Hexachlorobenzene	86		80		40-140	7		50
Bis(2-chloroethyl)ether	73		67		40-140	9		50
2-Chloronaphthalene	85		79		40-140	7		50
3,3'-Dichlorobenzidine	57		55		40-140	4		50
2,4-Dinitrotoluene	92		86		40-132	7		50
2,6-Dinitrotoluene	95		87		40-140	9		50
Fluoranthene	96		89		40-140	8		50
4-Chlorophenyl phenyl ether	80		75		40-140	6		50
4-Bromophenyl phenyl ether	84		79		40-140	6		50
Bis(2-chloroisopropyl)ether	60		55		40-140	9		50
Bis(2-chloroethoxy)methane	78		71		40-117	9		50
Hexachlorobutadiene	86		79		40-140	8		50
Hexachlorocyclopentadiene	77		70		40-140	10		50
Hexachloroethane	79		72		40-140	9		50
Isophorone	82		75		40-140	9		50
Naphthalene	81		75		40-140	8		50
Nitrobenzene	83		76		40-140	9		50
NDPA/DPA	82		76		36-157	8		50
n-Nitrosodi-n-propylamine	71		64		32-121	10		50
Bis(2-ethylhexyl)phthalate	82		78		40-140	5		50
Butyl benzyl phthalate	91		86		40-140	6		50
Di-n-butylphthalate	102		96		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								
Di-n-octylphthalate	90		86		40-140	5		50
Diethyl phthalate	82		76		40-140	8		50
Dimethyl phthalate	92		85		40-140	8		50
Benzo(a)anthracene	89		84		40-140	6		50
Benzo(a)pyrene	91		86		40-140	6		50
Benzo(b)fluoranthene	96		87		40-140	10		50
Benzo(k)fluoranthene	89		85		40-140	5		50
Chrysene	82		76		40-140	8		50
Acenaphthylene	93		85		40-140	9		50
Anthracene	94		87		40-140	8		50
Benzo(ghi)perylene	91		84		40-140	8		50
Fluorene	81		74		40-140	9		50
Phenanthrene	86		80		40-140	7		50
Dibenzo(a,h)anthracene	92		84		40-140	9		50
Indeno(1,2,3-cd)pyrene	78		74		40-140	5		50
Pyrene	93		87		35-142	7		50
Biphenyl	88		82		54-104	7		50
4-Chloroaniline	56		65		40-140	15		50
2-Nitroaniline	96		88		47-134	9		50
3-Nitroaniline	72		68		26-129	6		50
4-Nitroaniline	83		77		41-125	8		50
Dibenzofuran	78		72		40-140	8		50
2-Methylnaphthalene	85		78		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								
1,2,4,5-Tetrachlorobenzene	92		84		40-117	9		50
Acetophenone	86		79		14-144	8		50
2,4,6-Trichlorophenol	102		94		30-130	8		50
p-Chloro-m-cresol	92		85		26-103	8		50
2-Chlorophenol	83		76		25-102	9		50
2,4-Dichlorophenol	91		83		30-130	9		50
2,4-Dimethylphenol	80		74		30-130	8		50
2-Nitrophenol	98		90		30-130	9		50
4-Nitrophenol	83		75		11-114	10		50
2,4-Dinitrophenol	86		81		4-130	6		50
4,6-Dinitro-o-cresol	111		103		10-130	7		50
Pentachlorophenol	74		66		17-109	11		50
Phenol	74		67		26-90	10		50
2-Methylphenol	80		74		30-130.	8		50
3-Methylphenol/4-Methylphenol	82		75		30-130	9		50
2,4,5-Trichlorophenol	99		92		30-130	7		50
Carbazole	91		85		54-128	7		50
Atrazine	98		90		40-140	9		50
Benzaldehyde	83		76		40-140	9		50
Caprolactam	88		82		15-130	7		50
2,3,4,6-Tetrachlorophenol	90		84		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,07-10 Batch: WG1240126-2 WG1240126-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		68		25-120
Phenol-d6	73		66		10-120
Nitrobenzene-d5	83		75		23-120
2-Fluorobiphenyl	82		75		30-120
2,4,6-Tribromophenol	91		82		10-136
4-Terphenyl-d14	89		82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1240684-2 WG1240684-3								
Bis(2-chloroethyl)ether	73		83		40-140	13		30
3,3'-Dichlorobenzidine	69		83		40-140	18		30
2,4-Dinitrotoluene	88		105		48-143	18		30
2,6-Dinitrotoluene	91		106		40-140	15		30
4-Chlorophenyl phenyl ether	77		91		40-140	17		30
4-Bromophenyl phenyl ether	81		95		40-140	16		30
Bis(2-chloroisopropyl)ether	66		76		40-140	14		30
Bis(2-chloroethoxy)methane	78		92		40-140	16		30
Hexachlorocyclopentadiene	58		68		40-140	16		30
Isophorone	78		92		40-140	16		30
Nitrobenzene	76		88		40-140	15		30
NDPA/DPA	81		95		40-140	16		30
n-Nitrosodi-n-propylamine	79		92		29-132	15		30
Bis(2-ethylhexyl)phthalate	82		98		40-140	18		30
Butyl benzyl phthalate	91		106		40-140	15		30
Di-n-butylphthalate	84		99		40-140	16		30
Di-n-octylphthalate	86		104		40-140	19		30
Diethyl phthalate	80		93		40-140	15		30
Dimethyl phthalate	84		98		40-140	15		30
Biphenyl	82		94		40-140	14		30
4-Chloroaniline	64		75		40-140	16		30
2-Nitroaniline	86		103		52-143	18		30
3-Nitroaniline	68		78		25-145	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1240684-2 WG1240684-3								
4-Nitroaniline	80		93		51-143	15		30
Dibenzofuran	77		90		40-140	16		30
1,2,4,5-Tetrachlorobenzene	79		92		2-134	15		30
Acetophenone	80		92		39-129	14		30
2,4,6-Trichlorophenol	83		100		30-130	19		30
p-Chloro-m-cresol	82		95		23-97	15		30
2-Chlorophenol	70		81		27-123	15		30
2,4-Dichlorophenol	82		97		30-130	17		30
2,4-Dimethylphenol	78		94		30-130	19		30
2-Nitrophenol	76		92		30-130	19		30
4-Nitrophenol	47		57		10-80	19		30
2,4-Dinitrophenol	65		84		20-130	26		30
4,6-Dinitro-o-cresol	83		104		20-164	22		30
Phenol	37		44		12-110	17		30
3-Methylphenol/4-Methylphenol	64		75		30-130	16		30
2,4,5-Trichlorophenol	87		102		30-130	16		30
Carbazole	82		95		55-144	15		30
Atrazine	97		112		40-140	14		30
Benzaldehyde	80		90		40-140	12		30
Caprolactam	26		30		10-130	14		30
2,3,4,6-Tetrachlorophenol	83		100		40-140	19		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1240684-2 WG1240684-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		54		21-120
Phenol-d6	35		39		10-120
Nitrobenzene-d5	76		90		23-120
2-Fluorobiphenyl	81		92		15-120
2,4,6-Tribromophenol	86		103		10-120
4-Terphenyl-d14	86		98		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-06 Batch: WG1240685-2 WG1240685-3								
Acenaphthene	75		74		40-140	1		40
2-Chloronaphthalene	78		76		40-140	3		40
Fluoranthene	82		79		40-140	4		40
Hexachlorobutadiene	76		77		40-140	1		40
Naphthalene	71		71		40-140	0		40
Benzo(a)anthracene	80		77		40-140	4		40
Benzo(a)pyrene	74		71		40-140	4		40
Benzo(b)fluoranthene	78		76		40-140	3		40
Benzo(k)fluoranthene	80		76		40-140	5		40
Chrysene	78		75		40-140	4		40
Acenaphthylene	76		74		40-140	3		40
Anthracene	79		77		40-140	3		40
Benzo(ghi)perylene	78		75		40-140	4		40
Fluorene	78		76		40-140	3		40
Phenanthrene	76		74		40-140	3		40
Dibenzo(a,h)anthracene	79		77		40-140	3		40
Indeno(1,2,3-cd)pyrene	79		76		40-140	4		40
Pyrene	81		78		40-140	4		40
2-Methylnaphthalene	72		71		40-140	1		40
Pentachlorophenol	59		60		40-140	2		40
Hexachlorobenzene	74		72		40-140	3		40
Hexachloroethane	70		71		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-06 Batch: WG1240685-2 WG1240685-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		45		21-120
Phenol-d6	28		28		10-120
Nitrobenzene-d5	76		74		23-120
2-Fluorobiphenyl	72		71		15-120
2,4,6-Tribromophenol	60		59		10-120
4-Terphenyl-d14	71		69		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								
Acenaphthene	89		79		31-137	12		50
Hexachlorobenzene	94		81		40-140	15		50
Bis(2-chloroethyl)ether	89		74		40-140	18		50
2-Chloronaphthalene	91		78		40-140	15		50
3,3'-Dichlorobenzidine	68		58		40-140	16		50
2,4-Dinitrotoluene	106		90		40-132	16		50
2,6-Dinitrotoluene	108		91		40-140	17		50
Fluoranthene	96		82		40-140	16		50
4-Chlorophenyl phenyl ether	90		80		40-140	12		50
4-Bromophenyl phenyl ether	94		82		40-140	14		50
Bis(2-chloroisopropyl)ether	82		68		40-140	19		50
Bis(2-chloroethoxy)methane	93		77		40-117	19		50
Hexachlorobutadiene	87		77		40-140	12		50
Hexachlorocyclopentadiene	76		68		40-140	11		50
Hexachloroethane	84		72		40-140	15		50
Isophorone	91		76		40-140	18		50
Naphthalene	88		75		40-140	16		50
Nitrobenzene	93		77		40-140	19		50
NDPA/DPA	94		82		36-157	14		50
n-Nitrosodi-n-propylamine	93		77		32-121	19		50
Bis(2-ethylhexyl)phthalate	89		78		40-140	13		50
Butyl benzyl phthalate	102		86		40-140	17		50
Di-n-butylphthalate	92		82		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								
Di-n-octylphthalate	93		79		40-140	16		50
Diethyl phthalate	92		80		40-140	14		50
Dimethyl phthalate	96		81		40-140	17		50
Benzo(a)anthracene	95		84		40-140	12		50
Benzo(a)pyrene	99		84		40-140	16		50
Benzo(b)fluoranthene	99		86		40-140	14		50
Benzo(k)fluoranthene	96		83		40-140	15		50
Chrysene	92		82		40-140	11		50
Acenaphthylene	96		82		40-140	16		50
Anthracene	95		84		40-140	12		50
Benzo(ghi)perylene	96		84		40-140	13		50
Fluorene	93		80		40-140	15		50
Phenanthrene	92		80		40-140	14		50
Dibenzo(a,h)anthracene	102		89		40-140	14		50
Indeno(1,2,3-cd)pyrene	89		80		40-140	11		50
Pyrene	97		82		35-142	17		50
Biphenyl	95		82		54-104	15		50
4-Chloroaniline	83		68		40-140	20		50
2-Nitroaniline	101		86		47-134	16		50
3-Nitroaniline	73		62		26-129	16		50
4-Nitroaniline	96		81		41-125	17		50
Dibenzofuran	91		79		40-140	14		50
2-Methylnaphthalene	90		77		40-140	16		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								
1,2,4,5-Tetrachlorobenzene	94		80		40-117	16		50
Acetophenone	95		78		14-144	20		50
2,4,6-Trichlorophenol	102		85		30-130	18		50
p-Chloro-m-cresol	98		83		26-103	17		50
2-Chlorophenol	91		76		25-102	18		50
2,4-Dichlorophenol	101		82		30-130	21		50
2,4-Dimethylphenol	100		83		30-130	19		50
2-Nitrophenol	101		83		30-130	20		50
4-Nitrophenol	104		87		11-114	18		50
2,4-Dinitrophenol	97		83		4-130	16		50
4,6-Dinitro-o-cresol	114		97		10-130	16		50
Pentachlorophenol	106		92		17-109	14		50
Phenol	**96**	Q	78		26-90	21		50
2-Methylphenol	95		77		30-130.	21		50
3-Methylphenol/4-Methylphenol	94		77		30-130	20		50
2,4,5-Trichlorophenol	102		86		30-130	17		50
Carbazole	94		81		54-128	15		50
Atrazine	103		88		40-140	16		50
Benzaldehyde	93		78		40-140	18		50
Caprolactam	102		85		15-130	18		50
2,3,4,6-Tetrachlorophenol	100		87		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1242185-2 WG1242185-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		73		25-120
Phenol-d6	88		70		10-120
Nitrobenzene-d5	91		76		23-120
2-Fluorobiphenyl	92		78		30-120
2,4,6-Tribromophenol	103		87		10-136
4-Terphenyl-d14	95		80		18-120

PCBS

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01 D
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/24/19 14:24
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	193	17.1	5	A
Aroclor 1221	ND		ug/kg	193	19.3	5	A
Aroclor 1232	ND		ug/kg	193	40.8	5	A
Aroclor 1242	ND		ug/kg	193	26.0	5	A
Aroclor 1248	ND		ug/kg	193	28.9	5	A
Aroclor 1254	ND		ug/kg	193	21.1	5	A
Aroclor 1260	ND		ug/kg	193	35.6	5	A
Aroclor 1262	ND		ug/kg	193	24.5	5	A
Aroclor 1268	ND		ug/kg	193	20.0	5	A
PCBs, Total	ND		ug/kg	193	17.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 19:42
Analyst: AWS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.74	1	A
Aroclor 1232	ND		ug/kg	37.4	7.92	1	A
Aroclor 1242	ND		ug/kg	37.4	5.04	1	A
Aroclor 1248	ND		ug/kg	37.4	5.60	1	A
Aroclor 1254	ND		ug/kg	37.4	4.09	1	A
Aroclor 1260	ND		ug/kg	37.4	6.90	1	A
Aroclor 1262	ND		ug/kg	37.4	4.74	1	A
Aroclor 1268	ND		ug/kg	37.4	3.87	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	138		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 19:57
Analyst: AWS
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.0	3.91	1	B
Aroclor 1221	ND		ug/kg	44.0	4.41	1	B
Aroclor 1232	ND		ug/kg	44.0	9.33	1	B
Aroclor 1242	ND		ug/kg	44.0	5.93	1	B
Aroclor 1248	ND		ug/kg	44.0	6.60	1	B
Aroclor 1254	ND		ug/kg	44.0	4.81	1	B
Aroclor 1260	ND		ug/kg	44.0	8.13	1	B
Aroclor 1262	ND		ug/kg	44.0	5.59	1	B
Aroclor 1268	ND		ug/kg	44.0	4.56	1	B
PCBs, Total	ND		ug/kg	44.0	3.91	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**20**	Q	30-150	A
Decachlorobiphenyl	**24**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08 D
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/24/19 14:36
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	181	16.1	5	A
Aroclor 1221	ND		ug/kg	181	18.1	5	A
Aroclor 1232	ND		ug/kg	181	38.4	5	A
Aroclor 1242	ND		ug/kg	181	24.4	5	A
Aroclor 1248	ND		ug/kg	181	27.2	5	A
Aroclor 1254	ND		ug/kg	181	19.8	5	A
Aroclor 1260	ND		ug/kg	181	33.5	5	A
Aroclor 1262	ND		ug/kg	181	23.0	5	A
Aroclor 1268	ND		ug/kg	181	18.8	5	A
PCBs, Total	ND		ug/kg	181	16.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 20:26
Analyst: AWS
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.83	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	ND		ug/kg	41.6	6.25	1	A
Aroclor 1254	118		ug/kg	41.6	4.56	1	B
Aroclor 1260	ND		ug/kg	41.6	7.70	1	A
Aroclor 1262	ND		ug/kg	41.6	5.29	1	A
Aroclor 1268	ND		ug/kg	41.6	4.32	1	A
PCBs, Total	118		ug/kg	41.6	3.70	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/19 20:41
Analyst: AWS
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.7	3.88	1	A
Aroclor 1221	ND		ug/kg	43.7	4.38	1	A
Aroclor 1232	ND		ug/kg	43.7	9.26	1	A
Aroclor 1242	ND		ug/kg	43.7	5.89	1	A
Aroclor 1248	ND		ug/kg	43.7	6.55	1	A
Aroclor 1254	8.90	J	ug/kg	43.7	4.78	1	A
Aroclor 1260	8.40	J	ug/kg	43.7	8.07	1	A
Aroclor 1262	ND		ug/kg	43.7	5.55	1	A
Aroclor 1268	ND		ug/kg	43.7	4.52	1	A
PCBs, Total	17.3	J	ug/kg	43.7	3.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/23/19 23:37
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 05/22/19 19:51
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/19
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,07-10 Batch: WG1240154-1						
Aroclor 1016	ND		ug/kg	32.6	2.89	A
Aroclor 1221	ND		ug/kg	32.6	3.26	A
Aroclor 1232	ND		ug/kg	32.6	6.90	A
Aroclor 1242	ND		ug/kg	32.6	4.39	A
Aroclor 1248	ND		ug/kg	32.6	4.88	A
Aroclor 1254	ND		ug/kg	32.6	3.56	A
Aroclor 1260	ND		ug/kg	32.6	6.02	A
Aroclor 1262	ND		ug/kg	32.6	4.13	A
Aroclor 1268	ND		ug/kg	32.6	3.37	A
PCBs, Total	ND		ug/kg	32.6	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: PH. II ESA

Project Number: 36321

Lab Number: L1921330

Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,07-10 Batch: WG1240154-2 WG1240154-3									
Aroclor 1016	68		79		40-140	15		50	A
Aroclor 1260	54		63		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		72		30-150	A
Decachlorobiphenyl	63		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		74		30-150	B
Decachlorobiphenyl	81		93		30-150	B

METALS

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5460		mg/kg	95.0	25.6	20	05/24/19 21:40	05/28/19 19:40	EPA 3050B	1,6010D	AB
Antimony, Total	4.09	J	mg/kg	4.75	0.361	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Arsenic, Total	3.62		mg/kg	0.950	0.198	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Barium, Total	74.8		mg/kg	0.950	0.165	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Beryllium, Total	0.294	J	mg/kg	0.475	0.031	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Cadmium, Total	0.513	J	mg/kg	0.950	0.093	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Calcium, Total	96700		mg/kg	95.0	33.2	20	05/24/19 21:40	05/28/19 19:40	EPA 3050B	1,6010D	AB
Chromium, Total	11.4		mg/kg	0.950	0.091	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Cobalt, Total	2.61		mg/kg	1.90	0.158	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Copper, Total	29.9		mg/kg	0.950	0.245	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Iron, Total	7620		mg/kg	4.75	0.858	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Lead, Total	61.3		mg/kg	4.75	0.255	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Magnesium, Total	22000		mg/kg	9.50	1.46	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Manganese, Total	270		mg/kg	0.950	0.151	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Mercury, Total	0.312		mg/kg	0.075	0.049	1	05/25/19 08:00	05/27/19 14:55	EPA 7471B	1,7471B	GD
Nickel, Total	8.31		mg/kg	2.38	0.230	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Potassium, Total	653		mg/kg	238	13.7	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Selenium, Total	0.560	J	mg/kg	1.90	0.245	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.950	0.269	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Sodium, Total	244		mg/kg	190	2.99	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.90	0.299	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Vanadium, Total	11.4		mg/kg	0.950	0.193	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC
Zinc, Total	116		mg/kg	4.75	0.278	2	05/24/19 21:40	05/28/19 15:45	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6830		mg/kg	9.30	2.51	2	05/24/19 21:40	05/28/19 17:41	EPA 3050B	1,6010D	AB
Antimony, Total	3.54	J	mg/kg	4.65	0.354	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Arsenic, Total	13.7		mg/kg	0.930	0.194	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Barium, Total	219		mg/kg	0.930	0.162	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Beryllium, Total	0.586		mg/kg	0.465	0.031	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Cadmium, Total	1.56		mg/kg	0.930	0.091	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Calcium, Total	30500		mg/kg	9.30	3.26	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Chromium, Total	20.3		mg/kg	0.930	0.089	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Cobalt, Total	8.60		mg/kg	1.86	0.154	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Copper, Total	116		mg/kg	0.930	0.240	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Iron, Total	20900		mg/kg	4.65	0.840	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Lead, Total	306		mg/kg	4.65	0.249	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Magnesium, Total	7440		mg/kg	9.30	1.43	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Manganese, Total	350		mg/kg	0.930	0.148	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Mercury, Total	0.186		mg/kg	0.075	0.049	1	05/25/19 08:00	05/27/19 14:57	EPA 7471B	1,7471B	GD
Nickel, Total	25.0		mg/kg	2.33	0.225	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Potassium, Total	998		mg/kg	233	13.4	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Selenium, Total	0.986	J	mg/kg	1.86	0.240	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.930	0.263	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Sodium, Total	189		mg/kg	186	2.93	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.86	0.293	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Vanadium, Total	21.4		mg/kg	0.930	0.189	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC
Zinc, Total	413		mg/kg	4.65	0.273	2	05/24/19 21:40	05/28/19 15:50	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7690		mg/kg	105	28.5	20	05/24/19 21:40	05/28/19 19:45	EPA 3050B	1,6010D	AB
Antimony, Total	1.14	J	mg/kg	5.27	0.401	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Arsenic, Total	5.50		mg/kg	1.05	0.219	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Barium, Total	116		mg/kg	1.05	0.183	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Beryllium, Total	0.390	J	mg/kg	0.527	0.035	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Cadmium, Total	0.780	J	mg/kg	1.05	0.103	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Calcium, Total	134000		mg/kg	105	36.9	20	05/24/19 21:40	05/28/19 19:45	EPA 3050B	1,6010D	AB
Chromium, Total	13.9		mg/kg	1.05	0.101	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Cobalt, Total	5.45		mg/kg	2.11	0.175	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Copper, Total	56.6		mg/kg	1.05	0.272	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Iron, Total	14800		mg/kg	5.27	0.952	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Lead, Total	36.8		mg/kg	5.27	0.283	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Magnesium, Total	13600		mg/kg	10.5	1.62	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Manganese, Total	449		mg/kg	1.05	0.168	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/25/19 08:00	05/27/19 14:59	EPA 7471B	1,7471B	GD
Nickel, Total	14.9		mg/kg	2.64	0.255	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Potassium, Total	1060		mg/kg	264	15.2	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Selenium, Total	0.612	J	mg/kg	2.11	0.272	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.05	0.298	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Sodium, Total	153	J	mg/kg	211	3.32	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.11	0.332	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Vanadium, Total	15.6		mg/kg	1.05	0.214	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC
Zinc, Total	113		mg/kg	5.27	0.309	2	05/24/19 21:40	05/28/19 15:55	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7050		mg/kg	8.76	2.36	2	05/24/19 21:40	05/28/19 17:46	EPA 3050B	1,6010D	AB
Antimony, Total	1.59	J	mg/kg	4.38	0.333	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Arsenic, Total	4.33		mg/kg	0.876	0.182	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Barium, Total	71.6		mg/kg	0.876	0.152	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Beryllium, Total	0.403	J	mg/kg	0.438	0.029	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Cadmium, Total	0.867	J	mg/kg	0.876	0.086	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Calcium, Total	50800		mg/kg	8.76	3.07	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Chromium, Total	27.9		mg/kg	0.876	0.084	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Cobalt, Total	3.83		mg/kg	1.75	0.145	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Copper, Total	33.7		mg/kg	0.876	0.226	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Iron, Total	23400		mg/kg	4.38	0.791	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Lead, Total	63.0		mg/kg	4.38	0.235	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Magnesium, Total	6020		mg/kg	8.76	1.35	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Manganese, Total	1710		mg/kg	0.876	0.139	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Mercury, Total	0.057	J	mg/kg	0.071	0.046	1	05/25/19 08:00	05/27/19 15:01	EPA 7471B	1,7471B	GD
Nickel, Total	14.3		mg/kg	2.19	0.212	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Potassium, Total	962		mg/kg	219	12.6	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Selenium, Total	0.272	J	mg/kg	1.75	0.226	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.876	0.248	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Sodium, Total	510		mg/kg	175	2.76	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Thallium, Total	0.666	J	mg/kg	1.75	0.276	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Vanadium, Total	15.7		mg/kg	0.876	0.178	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC
Zinc, Total	122		mg/kg	4.38	0.257	2	05/24/19 21:40	05/28/19 15:59	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5190		mg/kg	103	27.9	20	05/24/19 21:40	05/28/19 19:50	EPA 3050B	1,6010D	AB
Antimony, Total	1.11	J	mg/kg	5.16	0.392	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Arsenic, Total	5.47		mg/kg	1.03	0.215	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Barium, Total	62.5		mg/kg	1.03	0.180	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Beryllium, Total	0.330	J	mg/kg	0.516	0.034	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Cadmium, Total	0.537	J	mg/kg	1.03	0.101	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Calcium, Total	120000		mg/kg	103	36.1	20	05/24/19 21:40	05/28/19 19:50	EPA 3050B	1,6010D	AB
Chromium, Total	44.2		mg/kg	1.03	0.099	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Cobalt, Total	2.77		mg/kg	2.06	0.171	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Copper, Total	20.8		mg/kg	1.03	0.266	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Iron, Total	10400		mg/kg	5.16	0.932	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Lead, Total	78.2		mg/kg	5.16	0.277	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Magnesium, Total	14400		mg/kg	10.3	1.59	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Manganese, Total	1040		mg/kg	1.03	0.164	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Mercury, Total	0.174		mg/kg	0.083	0.054	1	05/25/19 08:00	05/27/19 15:07	EPA 7471B	1,7471B	GD
Nickel, Total	9.22		mg/kg	2.58	0.250	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Potassium, Total	631		mg/kg	258	14.9	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Selenium, Total	0.568	J	mg/kg	2.06	0.266	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.03	0.292	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Sodium, Total	240		mg/kg	206	3.25	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.06	0.325	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Vanadium, Total	24.3		mg/kg	1.03	0.210	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC
Zinc, Total	127		mg/kg	5.16	0.302	2	05/24/19 21:40	05/28/19 16:04	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5650		mg/kg	10.5	2.84	2	05/24/19 21:40	05/28/19 18:48	EPA 3050B	1,6010D	AB
Antimony, Total	1.04	J	mg/kg	5.26	0.400	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Arsenic, Total	7.08		mg/kg	1.05	0.219	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Barium, Total	128		mg/kg	1.05	0.183	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Beryllium, Total	0.494	J	mg/kg	0.526	0.035	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Cadmium, Total	0.673	J	mg/kg	1.05	0.103	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Calcium, Total	61700		mg/kg	10.5	3.68	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Chromium, Total	12.6		mg/kg	1.05	0.101	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Cobalt, Total	4.45		mg/kg	2.10	0.175	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Copper, Total	57.4		mg/kg	1.05	0.271	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Iron, Total	13100		mg/kg	5.26	0.950	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Lead, Total	60.7		mg/kg	5.26	0.282	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Magnesium, Total	13000		mg/kg	10.5	1.62	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Manganese, Total	272		mg/kg	1.05	0.167	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Mercury, Total	0.177		mg/kg	0.085	0.056	1	05/25/19 08:00	05/27/19 15:09	EPA 7471B	1,7471B	GD
Nickel, Total	12.8		mg/kg	2.63	0.255	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Potassium, Total	698		mg/kg	263	15.2	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Selenium, Total	0.663	J	mg/kg	2.10	0.271	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	1.05	0.298	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Sodium, Total	191	J	mg/kg	210	3.31	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	2.10	0.331	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Vanadium, Total	16.8		mg/kg	1.05	0.214	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC
Zinc, Total	96.9		mg/kg	5.26	0.308	2	05/24/19 21:40	05/28/19 16:09	EPA 3050B	1,6010D	LC

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,07-10 Batch: WG1241088-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Manganese, Total	0.208	J	mg/kg	0.400	0.064	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/24/19 21:40	05/28/19 13:35	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,07-10 Batch: WG1241191-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	05/25/19 08:00	05/27/19 14:31	1,7471B	GD

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 Batch: WG1241088-2 SRM Lot Number: D101-540								
Aluminum, Total	79		-		50-151	-		
Antimony, Total	130		-		3-196	-		
Arsenic, Total	98		-		83-117	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	95		-		83-117	-		
Cadmium, Total	90		-		83-117	-		
Calcium, Total	87		-		81-119	-		
Chromium, Total	87		-		81-118	-		
Cobalt, Total	92		-		84-116	-		
Copper, Total	96		-		83-116	-		
Iron, Total	87		-		62-138	-		
Lead, Total	87		-		83-117	-		
Magnesium, Total	91		-		76-124	-		
Manganese, Total	84		-		82-118	-		
Nickel, Total	91		-		82-117	-		
Potassium, Total	96		-		71-130	-		
Selenium, Total	96		-		79-121	-		
Silver, Total	91		-		80-120	-		
Sodium, Total	100		-		72-127	-		
Thallium, Total	92		-		81-119	-		
Vanadium, Total	94		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: PH. II ESA

Project Number: 36321

Lab Number: L1921330

Report Date: 05/30/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 Batch: WG1241088-2 SRM Lot Number: D101-540					
Zinc, Total	90	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 Batch: WG1241191-2 SRM Lot Number: D101-540					
Mercury, Total	96	-	65-135	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241088-3 QC Sample: L1921270-01 Client ID: MS Sample												
Aluminum, Total	5480	213	6670	**558**	Q	-	-		75-125	-		20
Antimony, Total	1.62J	53.4	45.5	85		-	-		75-125	-		20
Arsenic, Total	5.88	12.8	20.6	115		-	-		75-125	-		20
Barium, Total	236	213	435	93		-	-		75-125	-		20
Beryllium, Total	0.309	5.34	5.35	94		-	-		75-125	-		20
Cadmium, Total	2.26	5.44	6.25	**73**	Q	-	-		75-125	-		20
Calcium, Total	19300	1070	15900	**0**	Q	-	-		75-125	-		20
Chromium, Total	20.0	21.3	41.6	101		-	-		75-125	-		20
Cobalt, Total	4.87	53.4	49.4	83		-	-		75-125	-		20
Copper, Total	113	26.7	134	79		-	-		75-125	-		20
Iron, Total	16500	107	21200	**4400**	Q	-	-		75-125	-		20
Lead, Total	323	54.4	340	**31**	Q	-	-		75-125	-		20
Magnesium, Total	7110	1070	4030	**0**	Q	-	-		75-125	-		20
Manganese, Total	180	53.4	259	**148**	Q	-	-		75-125	-		20
Nickel, Total	20.6	53.4	63.0	79		-	-		75-125	-		20
Potassium, Total	521	1070	1650	106		-	-		75-125	-		20
Selenium, Total	0.691J	12.8	13.1	102		-	-		75-125	-		20
Silver, Total	0.581	32	31.6	97		-	-		75-125	-		20
Sodium, Total	326	1070	1370	98		-	-		75-125	-		20
Thallium, Total	ND	12.8	9.64	75		-	-		75-125	-		20
Vanadium, Total	23.9	53.4	74.2	94		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241088-3 QC Sample: L1921270-01 Client ID: MS Sample										
Zinc, Total	341	53.4	371	**56**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241191-3 QC Sample: L1920568-01 Client ID: MS Sample										
Mercury, Total	0.228	0.141	0.344	82		-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: PH. II ESA

Project Number: 36321

Lab Number: L1921330

Report Date: 05/30/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241088-4 QC Sample: L1921270-01 Client ID: DUP Sample						
Lead, Total	323	350	mg/kg	8		20
Total Metals - Mansfield Lab Associated sample(s): 01-02,07-10 QC Batch ID: WG1241191-4 QC Sample: L1920568-01 Client ID: DUP Sample						
Mercury, Total	0.228	0.189	mg/kg	19		20

INORGANICS
&
MISCELLANEOUS

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-01
Client ID: SB1 (2-5)
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 08:30
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-02
Client ID: SB8 (2.5-6.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 10:45
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-03
Client ID: SB14 (3-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 13:25
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-07
Client ID: TP3 (1-2.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 14:30
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.5		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-08
Client ID: SB3 (1-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 09:20
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-09
Client ID: SB4 (0-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 09:45
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.5		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

SAMPLE RESULTS

Lab ID: L1921330-10
Client ID: SB12 (0-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 05/20/19 12:40
Date Received: 05/21/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.9		%	0.100	NA	1	-	05/23/19 04:53	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: PH. II ESA

Project Number: 36321

Lab Number: L1921330

Report Date: 05/30/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,07-10 QC Batch ID: WG1240191-1 QC Sample: L1921330-01 Client ID: SB1 (2-5)						
Solids, Total	83.4	86.6	%	4		20

Project Name: PH. II ESA
Project Number: 36321

Lab Number: L1921330
Report Date: 05/30/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921330-01A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-01B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-01C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-01D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-01X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-01Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-01Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-02A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-02B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-02C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-02D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-02X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-02Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-02Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-03A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L1921330-03X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-03Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-03Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921330-04A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-04B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-04C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-04D	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-04E	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-05A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-05B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-05C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-05D	Amber 1000ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-05E	Amber 1000ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-06A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-06B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-06C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-06D	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-06E	Amber 1000ml unpreserved	A	10	10	2.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1921330-07A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-07B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-07C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-07D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-07X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-07Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-07Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:29**	NYTCL-8260-R2(14)
L1921330-08A	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921330-08B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-08C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-08D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		-
L1921330-08X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-08Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-08Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-09A	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-09B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-09C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-09D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-09X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1921330-09Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-09Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**23-MAY-19 05:31**	NYTCL-8260-R2(14)
L1921330-10B	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1921330-10C	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1921330-10D	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	PH. II ESA	**Lab Number:**	L1921330
Project Number:	36321	**Report Date:**	05/30/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	PH. II ESA	**Lab Number:**	L1921330
Project Number:	36321	**Report Date:**	05/30/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: PH. II ESA
Project Number: 36321
Lab Number: L1921330
Report Date: 05/30/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/22/19

ALPHA Job #: L1921330

Client Information

Client: Hazard Evaluations Inc.
Address: 3636 N. Buffalo Rd
orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mwittman@hazardevaluations.com

Project Information

Project Name: Ph. II ESA
Project Location: 140 chandler st. Buffalo, NY
Project #: 36321
(Use Project name as Project #) ☐
Project Manager: Michele wittman, Mark Hanna
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5 day

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260 TCL+STARS	SVOC 8270 TCL	TAL Metals	T. PCBs	VOC 8260 TCL+STARS				Sample Specific Comments	Total Bottles
21330 - 01	SB1 (2-5)	5/20/19	830am	Soil	EB	X	X	X	X						4
02	SB8 (2.5-6.5')	5/20/19	10:45am	Soil	EB	X	X	X	X						4
03	SB14 (3-4')	5/20/19	1:25pm	Soil	EB	X									1
04	SB1	5/20/19	330pm	GW	EB		X			X					5
05	SB10	5/20/19	3:00pm	GW	EB		X			X					5
06	SB13	5/20/19	3:45pm	GW	EB		X			X					5
07	TP3 (1-2.5')	5/20/19	2:30pm	Soil	EB	X	X	X	X						4
08	SB3 (1-4')	5/20/19	9:20am	Soil	EB	X	X	X	X						4
09	SB4 (0-4')	5/20/19	9:45am	Soil	EB	X	X	X	X						4
10	SB12 (0-3')	5/20/19	12:40pm	Soil	EB		X	X	X						3
				Container Type		A	A	A	A	V					
				Preservative		A	A	A	A	B					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/21/19 1350	[signature] AAL	5/21/19 13:50
[signature] AAL	5/21/19 16:00	[signature]	5/22/19 0103

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2034750
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	R1 AUGUST 2020
Project Number:	06303
Report Date:	09/10/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2034750-01	TP201(2-4')	SOIL	140 CHANDLER ST., BUFFALO, NY	08/21/20 09:10	08/25/20
L2034750-02	TP202(0.5-3')	SOIL	140 CHANDLER ST., BUFFALO, NY	08/21/20 10:00	08/25/20
L2034750-03	TP202(0.5-3') DUPLICATE	SOIL	140 CHANDLER ST., BUFFALO, NY	08/21/20 10:00	08/25/20
L2034750-04	TP202(4-8')	SOIL	140 CHANDLER ST., BUFFALO, NY	08/21/20 10:05	08/25/20
L2034750-05	TP205(3-7')	SOIL	140 CHANDLER ST., BUFFALO, NY	08/21/20 11:15	08/25/20
L2034750-06	TP206(2-5.5')	SOIL	140 CHANDLER ST., BUFFALO, NY	08/21/20 12:00	08/25/20
L2034750-07	TP207(4-7')	SOIL	140 CHANDLER ST., BUFFALO, NY	08/21/20 12:45	08/25/20
L2034750-08	RB-201	WATER	140 CHANDLER ST., BUFFALO, NY	08/21/20 13:00	08/25/20
L2034750-09	TB-201	TRIP BLANK (AQUEOUS)	140 CHANDLER ST., BUFFALO, NY	08/21/20 13:05	08/25/20
L2034750-10	FB-201	FIELD BLANK	140 CHANDLER ST., BUFFALO, NY	08/21/20 13:10	08/25/20

Project Name:	R1 AUGUST 2020	**Lab Number:**	L2034750
Project Number:	06303	**Report Date:**	09/10/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750
Project Number: 06303 **Report Date:** 09/10/20

Case Narrative (continued)

Report Submission
September 10, 2020: This final report includes the results of all requested analyses.
September 01, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics
L2034750-01 and -05: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.
L2034750-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (152%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.
L2034750-05: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (135%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.
L2034750-06: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (142%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.
The WG1404737-6 MS recoveries, performed on L2034750-05, are outside the acceptance criteria for 1,2-dichlorobenzene (0%), acetone (0%), o-chlorotoluene (0%), naphthalene (0%), 1,3,5-trimethylbenzene (0%), 1,2,4-trimethylbenzene (0%), 4-ethyltoluene (0%), and 1,2,4,5-tetramethylbenzene (0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.
The WG1404737-6/-7 MS/MSD recoveries, performed on L2034750-05, are below the acceptance criteria for

Case Narrative (continued)

1,1,2,2-tetrachloroethane (0%/0%), methyl acetate (MSD at 0%), and ethyl acetate (0%/0%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.
WG1404737-6/-7: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (139%/146%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics
L2034750-01 and -07: The sample has elevated detection limits due to the dilution required by the sample matrix.
L2034750-01: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG1405127-4/-5 MS/MSD recoveries, performed on L2034750-05, are below the acceptance criteria for 2,4-dinitrotoluene (0%/0%), hexachlorocyclopentadiene (0%/0%), 4-nitrophenol (0%/0%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (0%/0%), pentachlorophenol (6%/6%), and 2,3,4,6-tetrachlorophenol (9%/9%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.
The WG1405127-4/-5 MS/MSD recoveries, performed on L2034750-05, are outside the acceptance criteria for acenaphthene (MS at 0%), fluoranthene (0%/0%), naphthalene (0%/6%), benzo(a)anthracene (0%/0%), benzo(a)pyrene (0%/0%), benzo(b)fluoranthene (MS at 0%), benzo(k)fluoranthene (0%/0), chrysene (MS at 0%), anthracene (0%/6%), fluorene (0%/13%), phenanthrene (0%/0%), indeno(1,2,3-cd)pyrene (0%/0%), pyrene (0%/0%), dibenzofuran (MS at 6%), and carbazole (0%/6%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

1,4-Dioxane by 8270-SIM
L2034750-02, -03, and -05: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Project Name:	R1 AUGUST 2020	**Lab Number:**	L2034750
Project Number:	06303	**Report Date:**	09/10/20

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L2034750-03, -05, and WG1404380-4/-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2034750-05: The sample has elevated detection limits due to the dilution required by the sample matrix.

The Extracted Internal Standard recovery for the WG1404380-1 Method Blank, associated with L2034750-02 through -05, is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated samples are non-detect for Perfluorooctanesulfonamide (FOSA) and have an acceptable Extracted Internal Standard recovery for M8FOSA; therefore, no further actions were taken.

The WG1404380-4 MS recoveries, performed on L2034750-05, are outside the acceptance criteria for 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts) (0%), perfluorooctanesulfonic acid (pfos) (0%), and 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (8%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

The WG1404380-4/-5 MS/MSD recoveries, performed on L2034750-05, are outside the acceptance criteria for perfluorobutanoic acid (pfba) (58%/61%), perfluoropentanoic acid (pfpea) (58%/63%), perfluorobutanesulfonic acid (pfbs) (63%/66%), perfluorohexanoic acid (pfhxa) (58%/63%), perfluoroheptanoic acid (pfhpa) (65%/68%), perfluorohexanesulfonic acid (pfhxs) (MS 53%), perfluorooctanoic acid (pfoa) (56%/62%), perfluoroheptanesulfonic acid (pfhps) (MSD 133%), perfluorononanoic acid (pfna) (65%/67%), perfluorooctanesulfonic acid (pfos) (MSD 217%), 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (MSD 57%), n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (53%/51%), perfluoroundecanoic acid (pfuna) (MSD 58%), perfluorooctanesulfonamide (fosa) (44%/64%), n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa) (MS 52%), perfluorododecanoic acid (pfdoa) (61%/62%), and perfluorotetradecanoic acid (pfta) (53%/53%).

The MS/MSD RPD is outside the acceptance criteria for perfluorooctanesulfonamide (fosa) (37%).

PCBs

L2034750-01, -05, and -07: The sample has elevated detection limits due to the dilution required by the sample matrix.

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750
Project Number: 06303 **Report Date:** 09/10/20

Case Narrative (continued)

Pesticides

L2034750-05: The internal standard (IS) response for 1-bromo-2-nitrobenzene (207%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences.
WG1403611-4: The internal standard (IS) response for 1-bromo-2-nitrobenzene (221%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences.
WG1403611-5: The internal standard (IS) response for 1-bromo-2-nitrobenzene (208%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences.

Total Metals

L2034750-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1403649-3/-4 MS/MSD recoveries for aluminum (422%/171%), calcium (1630%/66%), iron (0%/0%), magnesium (433%/0%), manganese (4%/0%), and zinc (41%/31%), performed on L2034750-05, do not apply because the sample concentrations are greater than four times the spike amounts added. The WG1403649-3/-4 MS/MSD RPDs for iron (24%) and magnesium (31%) are above the acceptance criteria.
The WG1403649-4 MSD recovery, performed on L2034750-05, are outside the acceptance criteria for lead (173%). A post digestion spike was performed and yielded an unacceptable recovery of 77%. The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.
The WG1403649-3/-4 MS/MSD recoveries, performed on L2034750-05, are outside the acceptance criteria for copper (MSD at 74%), nickel (MSD at 74%) and thallium (62%/66%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/10/20

ORGANICS

VOLATILES

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 Date Collected: 08/21/20 09:10
Client ID: TP201(2-4') Date Received: 08/25/20
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/20 16:30
Analyst: AD
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	340	160	1
1,1-Dichloroethane	25	J	ug/kg	68	9.9	1
Chloroform	ND		ug/kg	100	9.5	1
Carbon tetrachloride	ND		ug/kg	68	16.	1
1,2-Dichloropropane	ND		ug/kg	68	8.5	1
Dibromochloromethane	ND		ug/kg	68	9.5	1
1,1,2-Trichloroethane	ND		ug/kg	68	18.	1
Tetrachloroethene	40		ug/kg	34	13.	1
Chlorobenzene	ND		ug/kg	34	8.6	1
Trichlorofluoromethane	ND		ug/kg	270	47.	1
1,2-Dichloroethane	ND		ug/kg	68	18.	1
1,1,1-Trichloroethane	ND		ug/kg	34	11.	1
Bromodichloromethane	ND		ug/kg	34	7.4	1
trans-1,3-Dichloropropene	ND		ug/kg	68	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	270	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	34		ug/kg	34	11.	1
Toluene	210		ug/kg	68	37.	1
Ethylbenzene	170		ug/kg	68	9.6	1
Chloromethane	ND		ug/kg	270	64.	1
Bromomethane	ND		ug/kg	140	40.	1
Vinyl chloride	ND		ug/kg	68	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	68	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.3	1
Trichloroethene	120		ug/kg	34	9.3	1
1,2-Dichlorobenzene	2300		ug/kg	140	9.8	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 Date Collected: 08/21/20 09:10

Client ID: TP201(2-4') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	84	J	ug/kg	140	10.	1
1,4-Dichlorobenzene	180		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	790		ug/kg	140	38.	1
o-Xylene	590		ug/kg	68	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	68	12.	1
Styrene	26	J	ug/kg	68	13.	1
Dichlorodifluoromethane	ND		ug/kg	680	62.	1
Acetone	ND		ug/kg	680	330	1
Carbon disulfide	ND		ug/kg	680	310	1
2-Butanone	260	J	ug/kg	680	150	1
4-Methyl-2-pentanone	ND		ug/kg	680	87.	1
2-Hexanone	ND		ug/kg	680	80.	1
Bromochloromethane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	68	19.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	68.	1
Isopropylbenzene	160		ug/kg	68	7.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	18.	1
Methyl Acetate	710		ug/kg	270	65.	1
Cyclohexane	ND		ug/kg	680	37.	1
1,4-Dioxane	ND		ug/kg	5400	2400	1
Freon-113	ND		ug/kg	270	47.	1
Methyl cyclohexane	53	J	ug/kg	270	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01
Client ID: TP201(2-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 09:10
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/31/20 13:43
Analyst: AD
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	6.3		ug/kg	5.1	2.4	1
1,1-Dichloroethane	3.3		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	3.4		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	2.6		ug/kg	0.51	0.17	1
Toluene	14		ug/kg	1.0	0.56	1
Ethylbenzene	9.4		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	3.1		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	77		ug/kg	2.0	0.15	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 Date Collected: 08/21/20 09:10

Client ID: TP201(2-4') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	2.5		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	4.6		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.21	1
p/m-Xylene	46		ug/kg	2.0	0.58	1
o-Xylene	30		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	14		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	9.1		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Cyclohexane	1.7	J	ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	82	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	3.1	J	ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	**152**	Q	70-130
Dibromofluoromethane	85		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/20 12:10
Analyst: AD
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	1.9	J	ug/kg	2.2	0.16	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	0.20	J	ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	29		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	4.4	J	ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	86	38.	1
Freon-113	ND		ug/kg	4.3	0.75	1
Methyl cyclohexane	0.76	J	ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	103		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/30/20 14:19
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	0.72	J	ug/kg	2.1	0.15	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') DUPLICATE Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	13		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	85	37.	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	ND		ug/kg	4.3	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04 Date Collected: 08/21/20 10:05
Client ID: TP202(4-8') Date Received: 08/25/20
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/20 13:02
Analyst: AD
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.91	0.49	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04 Date Collected: 08/21/20 10:05

Client ID: TP202(4-8') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
Methyl Acetate	ND		ug/kg	3.6	0.86	1
Cyclohexane	ND		ug/kg	9.1	0.49	1
1,4-Dioxane	ND		ug/kg	73	32.	1
Freon-113	ND		ug/kg	3.6	0.63	1
Methyl cyclohexane	ND		ug/kg	3.6	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/20 16:56
Analyst: AD
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	380	170	1
1,1-Dichloroethane	70	J	ug/kg	75	11.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	75	17.	1
1,2-Dichloropropane	ND		ug/kg	75	9.4	1
Dibromochloromethane	ND		ug/kg	75	10.	1
1,1,2-Trichloroethane	ND		ug/kg	75	20.	1
Tetrachloroethene	56		ug/kg	38	15.	1
Chlorobenzene	ND		ug/kg	38	9.5	1
Trichlorofluoromethane	ND		ug/kg	300	52.	1
1,2-Dichloroethane	ND		ug/kg	75	19.	1
1,1,1-Trichloroethane	160		ug/kg	38	12.	1
Bromodichloromethane	ND		ug/kg	38	8.2	1
trans-1,3-Dichloropropene	ND		ug/kg	75	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	38	12.	1
Bromoform	ND		ug/kg	300	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	38	12.	1
Benzene	33	J	ug/kg	38	12.	1
Toluene	770		ug/kg	75	41.	1
Ethylbenzene	210		ug/kg	75	10.	1
Chloromethane	ND		ug/kg	300	70.	1
Bromomethane	ND		ug/kg	150	44.	1
Vinyl chloride	ND		ug/kg	75	25.	1
Chloroethane	ND		ug/kg	150	34.	1
1,1-Dichloroethene	ND		ug/kg	75	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1
Trichloroethene	12	J	ug/kg	38	10.	1
1,2-Dichlorobenzene	2400		ug/kg	150	11.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 Date Collected: 08/21/20 11:15

Client ID: TP205(3-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	83	J	ug/kg	150	11.	1
1,4-Dichlorobenzene	220		ug/kg	150	13.	1
Methyl tert butyl ether	ND		ug/kg	150	15.	1
p/m-Xylene	810		ug/kg	150	42.	1
o-Xylene	330		ug/kg	75	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	75	13.	1
Styrene	21	J	ug/kg	75	15.	1
Dichlorodifluoromethane	ND		ug/kg	750	69.	1
Acetone	980		ug/kg	750	360	1
Carbon disulfide	ND		ug/kg	750	340	1
2-Butanone	880		ug/kg	750	170	1
4-Methyl-2-pentanone	ND		ug/kg	750	96.	1
2-Hexanone	ND		ug/kg	750	89.	1
Bromochloromethane	ND		ug/kg	150	15.	1
1,2-Dibromoethane	ND		ug/kg	75	21.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	220	75.	1
Isopropylbenzene	50	J	ug/kg	75	8.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	150	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	150	20.	1
Methyl Acetate	680		ug/kg	300	71.	1
Cyclohexane	41	J	ug/kg	750	41.	1
1,4-Dioxane	ND		ug/kg	6000	2600	1
Freon-113	ND		ug/kg	300	52.	1
Methyl cyclohexane	110	J	ug/kg	300	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/31/20 15:02
Analyst: AD
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	8.6	3.9	1
1,1-Dichloroethane	6.9		ug/kg	1.7	0.25	1
Chloroform	ND		ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.39	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	6.1		ug/kg	0.86	0.34	1
Chlorobenzene	ND		ug/kg	0.86	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.9	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.44	1
1,1,1-Trichloroethane	35		ug/kg	0.86	0.29	1
Bromodichloromethane	ND		ug/kg	0.86	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.47	1
cis-1,3-Dichloropropene	ND		ug/kg	0.86	0.27	1
Bromoform	ND		ug/kg	6.9	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.86	0.28	1
Benzene	1.5		ug/kg	0.86	0.28	1
Toluene	17		ug/kg	1.7	0.93	1
Ethylbenzene	18		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.9	1.6	1
Bromomethane	ND		ug/kg	3.4	1.0	1
Vinyl chloride	ND		ug/kg	1.7	0.58	1
Chloroethane	ND		ug/kg	3.4	0.78	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1
Trichloroethene	ND		ug/kg	0.86	0.24	1
1,2-Dichlorobenzene	160		ug/kg	3.4	0.25	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 Date Collected: 08/21/20 11:15

Client ID: TP205(3-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	4.6		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	8.8		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	74		ug/kg	3.4	0.96	1
o-Xylene	30		ug/kg	1.7	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	190		ug/kg	17	8.3	1
Carbon disulfide	ND		ug/kg	17	7.8	1
2-Butanone	44		ug/kg	17	3.8	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.4	0.35	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.48	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1.7	1
Isopropylbenzene	5.5		ug/kg	1.7	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.55	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.47	1
Methyl Acetate	ND		ug/kg	6.9	1.6	1
Cyclohexane	2.9	J	ug/kg	17	0.93	1
1,4-Dioxane	ND		ug/kg	140	60.	1
Freon-113	ND		ug/kg	6.9	1.2	1
Methyl cyclohexane	4.6	J	ug/kg	6.9	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	**135**	Q	70-130
Dibromofluoromethane	87		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06
Client ID: TP206(2-5.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/30/20 18:32
Analyst: JC
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	1.6		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	1.7		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	7.1		ug/kg	2.1	0.15	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06 Date Collected: 08/21/20 12:00

Client ID: TP206(2-5.5') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	0.16	J	ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	0.31	J	ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	5.3		ug/kg	2.1	0.58	1
o-Xylene	4.1		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	29		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	0.60	J	ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Cyclohexane	1.2	J	ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	82	36.	1
Freon-113	ND		ug/kg	4.1	0.72	1
Methyl cyclohexane	1.4	J	ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	**142**	Q	70-130
Dibromofluoromethane	89		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07
Client ID: TP207(4-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:45
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/20 13:28
Analyst: AD
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	5.4	2.5	1
1,1-Dichloroethane	6.7		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	0.52	J	ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	0.84		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	1.7		ug/kg	0.54	0.18	1
Toluene	7.6		ug/kg	1.1	0.59	1
Ethylbenzene	2.7		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	0.52	J	ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	25		ug/kg	2.2	0.16	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07 Date Collected: 08/21/20 12:45

Client ID: TP207(4-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	0.57	J	ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	1.3	J	ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	14		ug/kg	2.2	0.61	1
o-Xylene	14		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	45		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	8.5	J	ug/kg	11	2.4	1
4-Methyl-2-pentanone	21		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	2.7		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	1.6	J	ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	87	38.	1
Freon-113	ND		ug/kg	4.4	0.76	1
Methyl cyclohexane	3.0	J	ug/kg	4.4	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	103		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/20 11:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08 Date Collected: 08/21/20 13:00

Client ID: RB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-09 Date Collected: 08/21/20 13:05
Client ID: TB-201 Date Received: 08/25/20
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 08/27/20 12:02
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-09 Date Collected: 08/21/20 13:05

Client ID: TB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/20 08:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1403662-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/20 08:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1403662-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/20 08:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1403662-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/20 11:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,05 Batch: WG1404261-10					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/20 11:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,05 Batch: WG1404261-10					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	13	J	ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/20 11:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,05 Batch: WG1404261-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/20 11:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,07 Batch: WG1404616-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/20 11:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,07 Batch: WG1404616-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.26	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/20 11:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,07 Batch: WG1404616-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/20 13:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1404719-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/20 13:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1404719-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.20	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/20 13:46
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06 Batch: WG1404719-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	86		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/20 07:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,05 Batch: WG1404737-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/20 07:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,05 Batch: WG1404737-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/20 07:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,05 Batch: WG1404737-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	85		70-130

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/20 13:54
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1404752-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/20 13:54
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1404752-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	0.33	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/20 13:54
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1404752-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1403662-3 WG1403662-4								
Methylene chloride	82		87		70-130	6		20
1,1-Dichloroethane	92		94		70-130	2		20
Chloroform	88		94		70-130	7		20
Carbon tetrachloride	91		97		63-132	6		20
1,2-Dichloropropane	89		93		70-130	4		20
Dibromochloromethane	89		91		63-130	2		20
1,1,2-Trichloroethane	92		96		70-130	4		20
Tetrachloroethene	83		84		70-130	1		20
Chlorobenzene	94		96		75-130	2		20
Trichlorofluoromethane	94		93		62-150	1		20
1,2-Dichloroethane	93		96		70-130	3		20
1,1,1-Trichloroethane	88		92		67-130	4		20
Bromodichloromethane	90		94		67-130	4		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	89		90		70-130	1		20
Bromoform	88		86		54-136	2		20
1,1,2,2-Tetrachloroethane	88		90		67-130	2		20
Benzene	91		97		70-130	6		20
Toluene	94		96		70-130	2		20
Ethylbenzene	93		94		70-130	1		20
Chloromethane	80		80		64-130	0		20
Bromomethane	83		85		39-139	2		20
Vinyl chloride	90		92		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1403662-3 WG1403662-4								
Chloroethane	99		100		55-138	1		20
1,1-Dichloroethene	85		89		61-145	5		20
trans-1,2-Dichloroethene	89		91		70-130	2		20
Trichloroethene	86		94		70-130	9		20
1,2-Dichlorobenzene	92		92		70-130	0		20
1,3-Dichlorobenzene	95		94		70-130	1		20
1,4-Dichlorobenzene	95		95		70-130	0		20
Methyl tert butyl ether	88		90		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	92		95		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	79		78		36-147	1		20
Acetone	90		94		58-148	4		20
Carbon disulfide	84		88		51-130	5		20
2-Butanone	92		99		63-138	7		20
4-Methyl-2-pentanone	82		84		59-130	2		20
2-Hexanone	82		84		57-130	2		20
Bromochloromethane	94		98		70-130	4		20
1,2-Dibromoethane	96		94		70-130	2		20
1,2-Dibromo-3-chloropropane	81		81		41-144	0		20
Isopropylbenzene	94		94		70-130	0		20
1,2,3-Trichlorobenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1403662-3 WG1403662-4								
1,2,4-Trichlorobenzene	92		90		70-130	2		20
Methyl Acetate	83		90		70-130	8		20
Cyclohexane	85		85		70-130	0		20
1,4-Dioxane	76		88		56-162	15		20
Freon-113	87		88		70-130	1		20
Methyl cyclohexane	83		87		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	99		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,05 Batch: WG1404261-8 WG1404261-9								
Methylene chloride	86		84		70-130	2		30
1,1-Dichloroethane	89		86		70-130	3		30
Chloroform	94		96		70-130	2		30
Carbon tetrachloride	110		108		70-130	2		30
1,2-Dichloropropane	109		92		70-130	17		30
Dibromochloromethane	102		101		70-130	1		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	97		92		70-130	5		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	99		96		70-130	3		30
Bromodichloromethane	115		98		70-130	16		30
trans-1,3-Dichloropropene	87		91		70-130	4		30
cis-1,3-Dichloropropene	116		100		70-130	15		30
Bromoform	86		74		70-130	15		30
1,1,2,2-Tetrachloroethane	81		85		70-130	5		30
Benzene	96		93		70-130	3		30
Toluene	95		93		70-130	2		30
Ethylbenzene	91		96		70-130	5		30
Chloromethane	95		90		52-130	5		30
Bromomethane	90		86		57-147	5		30
Vinyl chloride	81		69		67-130	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,05 Batch: WG1404261-8 WG1404261-9								
Chloroethane	72		72		50-151	0		30
1,1-Dichloroethene	98		93		65-135	5		30
trans-1,2-Dichloroethene	104		99		70-130	5		30
Trichloroethene	110		93		70-130	17		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	95		89		70-130	7		30
1,4-Dichlorobenzene	95		93		70-130	2		30
Methyl tert butyl ether	101		100		66-130	1		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	101		105		70-130	4		30
cis-1,2-Dichloroethene	93		91		70-130	2		30
Styrene	87		95		70-130	9		30
Dichlorodifluoromethane	124		117		30-146	6		30
Acetone	102		98		54-140	4		30
Carbon disulfide	80		76		59-130	5		30
2-Butanone	89		96		70-130	8		30
4-Methyl-2-pentanone	83		90		70-130	8		30
2-Hexanone	84		95		70-130	12		30
Bromochloromethane	101		99		70-130	2		30
1,2-Dibromoethane	91		100		70-130	9		30
1,2-Dibromo-3-chloropropane	101		101		68-130	0		30
Isopropylbenzene	95		79		70-130	18		30
1,2,3-Trichlorobenzene	94		91		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,05 Batch: WG1404261-8 WG1404261-9								
1,2,4-Trichlorobenzene	97		90		70-130	7		30
Methyl Acetate	88		89		51-146	1		30
Cyclohexane	103		98		59-142	5		30
1,4-Dioxane	129		111		65-136	15		30
Freon-113	91		88		50-139	3		30
Methyl cyclohexane	119		100		70-130	17		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	91		95		70-130
4-Bromofluorobenzene	113		101		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,07 Batch: WG1404616-3 WG1404616-4								
Methylene chloride	86		84		70-130	2		30
1,1-Dichloroethane	89		86		70-130	3		30
Chloroform	94		96		70-130	2		30
Carbon tetrachloride	110		108		70-130	2		30
1,2-Dichloropropane	109		92		70-130	17		30
Dibromochloromethane	102		101		70-130	1		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	97		92		70-130	5		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	99		96		70-130	3		30
Bromodichloromethane	115		98		70-130	16		30
trans-1,3-Dichloropropene	87		91		70-130	4		30
cis-1,3-Dichloropropene	116		100		70-130	15		30
Bromoform	86		74		70-130	15		30
1,1,2,2-Tetrachloroethane	81		85		70-130	5		30
Benzene	96		93		70-130	3		30
Toluene	95		93		70-130	2		30
Ethylbenzene	91		96		70-130	5		30
Chloromethane	95		90		52-130	5		30
Bromomethane	90		86		57-147	5		30
Vinyl chloride	81		69		67-130	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,07 Batch: WG1404616-3 WG1404616-4								
Chloroethane	72		72		50-151	0		30
1,1-Dichloroethene	98		93		65-135	5		30
trans-1,2-Dichloroethene	104		99		70-130	5		30
Trichloroethene	110		93		70-130	17		30
1,2-Dichlorobenzene	96		97		70-130	1		30
1,3-Dichlorobenzene	95		89		70-130	7		30
1,4-Dichlorobenzene	95		93		70-130	2		30
Methyl tert butyl ether	101		100		66-130	1		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	101		105		70-130	4		30
cis-1,2-Dichloroethene	93		91		70-130	2		30
Styrene	87		95		70-130	9		30
Dichlorodifluoromethane	124		117		30-146	6		30
Acetone	102		98		54-140	4		30
Carbon disulfide	80		76		59-130	5		30
2-Butanone	89		96		70-130	8		30
4-Methyl-2-pentanone	83		90		70-130	8		30
2-Hexanone	84		95		70-130	12		30
Bromochloromethane	101		99		70-130	2		30
1,2-Dibromoethane	91		100		70-130	9		30
1,2-Dibromo-3-chloropropane	101		101		68-130	0		30
Isopropylbenzene	95		79		70-130	18		30
1,2,3-Trichlorobenzene	94		91		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,07 Batch: WG1404616-3 WG1404616-4								
1,2,4-Trichlorobenzene	97		90		70-130	7		30
Methyl Acetate	88		89		51-146	1		30
Cyclohexane	103		98		59-142	5		30
1,4-Dioxane	129		111		65-136	15		30
Freon-113	91		88		50-139	3		30
Methyl cyclohexane	119		100		70-130	17		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	91		95		70-130
4-Bromofluorobenzene	113		101		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1404719-3 WG1404719-4								
Methylene chloride	88		91		70-130	3		30
1,1-Dichloroethane	97		100		70-130	3		30
Chloroform	84		88		70-130	5		30
Carbon tetrachloride	83		88		70-130	6		30
1,2-Dichloropropane	95		100		70-130	5		30
Dibromochloromethane	81		86		70-130	6		30
1,1,2-Trichloroethane	91		95		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	87		90		70-130	3		30
Trichlorofluoromethane	88		90		70-139	2		30
1,2-Dichloroethane	89		94		70-130	5		30
1,1,1-Trichloroethane	92		96		70-130	4		30
Bromodichloromethane	81		86		70-130	6		30
trans-1,3-Dichloropropene	92		95		70-130	3		30
cis-1,3-Dichloropropene	88		93		70-130	6		30
Bromoform	82		86		70-130	5		30
1,1,2,2-Tetrachloroethane	87		90		70-130	3		30
Benzene	91		95		70-130	4		30
Toluene	97		100		70-130	3		30
Ethylbenzene	96		100		70-130	4		30
Chloromethane	126		124		52-130	2		30
Bromomethane	92		87		57-147	6		30
Vinyl chloride	110		110		67-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1404719-3 WG1404719-4								
Chloroethane	90		91		50-151	1		30
1,1-Dichloroethene	107		109		65-135	2		30
trans-1,2-Dichloroethene	100		101		70-130	1		30
Trichloroethene	90		96		70-130	6		30
1,2-Dichlorobenzene	90		93		70-130	3		30
1,3-Dichlorobenzene	91		95		70-130	4		30
1,4-Dichlorobenzene	89		92		70-130	3		30
Methyl tert butyl ether	95		98		66-130	3		30
p/m-Xylene	94		98		70-130	4		30
o-Xylene	86		90		70-130	5		30
cis-1,2-Dichloroethene	92		96		70-130	4		30
Styrene	86		91		70-130	6		30
Dichlorodifluoromethane	126		127		30-146	1		30
Acetone	98		100		54-140	2		30
Carbon disulfide	84		85		59-130	1		30
2-Butanone	107		111		70-130	4		30
4-Methyl-2-pentanone	106		109		70-130	3		30
2-Hexanone	98		99		70-130	1		30
Bromochloromethane	84		89		70-130	6		30
1,2-Dibromoethane	90		95		70-130	5		30
1,2-Dibromo-3-chloropropane	91		93		68-130	2		30
Isopropylbenzene	101		105		70-130	4		30
1,2,3-Trichlorobenzene	92		97		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06 Batch: WG1404719-3 WG1404719-4								
1,2,4-Trichlorobenzene	94		98		70-130	4		30
Methyl Acetate	93		97		51-146	4		30
Cyclohexane	106		110		59-142	4		30
1,4-Dioxane	115		112		65-136	3		30
Freon-113	92		92		50-139	0		30
Methyl cyclohexane	90		94		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		94		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	89		90		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05 Batch: WG1404737-3 WG1404737-4								
Methylene chloride	84		90		70-130	7		30
1,1-Dichloroethane	91		99		70-130	8		30
Chloroform	79		88		70-130	11		30
Carbon tetrachloride	81		91		70-130	12		30
1,2-Dichloropropane	90		98		70-130	9		30
Dibromochloromethane	77		83		70-130	8		30
1,1,2-Trichloroethane	85		92		70-130	8		30
Tetrachloroethene	97		108		70-130	11		30
Chlorobenzene	81		90		70-130	11		30
Trichlorofluoromethane	89		99		70-139	11		30
1,2-Dichloroethane	85		92		70-130	8		30
1,1,1-Trichloroethane	87		98		70-130	12		30
Bromodichloromethane	77		85		70-130	10		30
trans-1,3-Dichloropropene	87		92		70-130	6		30
cis-1,3-Dichloropropene	83		91		70-130	9		30
Bromoform	76		83		70-130	9		30
1,1,2,2-Tetrachloroethane	80		87		70-130	8		30
Benzene	85		94		70-130	10		30
Toluene	89		99		70-130	11		30
Ethylbenzene	89		98		70-130	10		30
Chloromethane	113		123		52-130	8		30
Bromomethane	84		90		57-147	7		30
Vinyl chloride	101		110		67-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05 Batch: WG1404737-3 WG1404737-4								
Chloroethane	86		92		50-151	7		30
1,1-Dichloroethene	101		112		65-135	10		30
trans-1,2-Dichloroethene	92		101		70-130	9		30
Trichloroethene	85		95		70-130	11		30
1,2-Dichlorobenzene	84		93		70-130	10		30
1,3-Dichlorobenzene	86		95		70-130	10		30
1,4-Dichlorobenzene	84		92		70-130	9		30
Methyl tert butyl ether	90		96		66-130	6		30
p/m-Xylene	88		97		70-130	10		30
o-Xylene	81		89		70-130	9		30
cis-1,2-Dichloroethene	86		95		70-130	10		30
Styrene	81		90		70-130	11		30
Dichlorodifluoromethane	126		139		30-146	10		30
Acetone	83		85		54-140	2		30
Carbon disulfide	77		85		59-130	10		30
2-Butanone	96		103		70-130	7		30
4-Methyl-2-pentanone	95		102		70-130	7		30
2-Hexanone	86		93		70-130	8		30
Bromochloromethane	81		89		70-130	9		30
1,2-Dibromoethane	85		92		70-130	8		30
1,2-Dibromo-3-chloropropane	82		88		68-130	7		30
Isopropylbenzene	92		103		70-130	11		30
1,2,3-Trichlorobenzene	87		97		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05 Batch: WG1404737-3 WG1404737-4								
1,2,4-Trichlorobenzene	90		99		70-130	10		30
Methyl Acetate	84		92		51-146	9		30
Cyclohexane	107		121		59-142	12		30
1,4-Dioxane	100		105		65-136	5		30
Freon-113	94		104		50-139	10		30
Methyl cyclohexane	92		105		70-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		93		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	90		89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1404752-3 WG1404752-4								
Methylene chloride	81		78		70-130	4		30
1,1-Dichloroethane	84		82		70-130	2		30
Chloroform	91		91		70-130	0		30
Carbon tetrachloride	99		96		70-130	3		30
1,2-Dichloropropane	80		79		70-130	1		30
Dibromochloromethane	100		96		70-130	4		30
1,1,2-Trichloroethane	93		91		70-130	2		30
Tetrachloroethene	128		125		70-130	2		30
Chlorobenzene	95		93		70-130	2		30
Trichlorofluoromethane	108		104		70-139	4		30
1,2-Dichloroethane	92		89		70-130	3		30
1,1,1-Trichloroethane	99		97		70-130	2		30
Bromodichloromethane	87		85		70-130	2		30
trans-1,3-Dichloropropene	97		94		70-130	3		30
cis-1,3-Dichloropropene	87		86		70-130	1		30
Bromoform	112		109		70-130	3		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	84		83		70-130	1		30
Toluene	98		96		70-130	2		30
Ethylbenzene	100		97		70-130	3		30
Chloromethane	72		67		52-130	7		30
Bromomethane	97		92		57-147	5		30
Vinyl chloride	89		83		67-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1404752-3 WG1404752-4								
Chloroethane	94		89		50-151	5		30
1,1-Dichloroethene	88		85		65-135	3		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	87		85		70-130	2		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	97		96		70-130	1		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	87		84		66-130	4		30
p/m-Xylene	98		95		70-130	3		30
o-Xylene	96		93		70-130	3		30
cis-1,2-Dichloroethene	87		87		70-130	0		30
Styrene	96		92		70-130	4		30
Dichlorodifluoromethane	84		80		30-146	5		30
Acetone	95		85		54-140	11		30
Carbon disulfide	80		77		59-130	4		30
2-Butanone	**66**	Q	**62**	Q	70-130	6		30
4-Methyl-2-pentanone	83		81		70-130	2		30
2-Hexanone	81		81		70-130	0		30
Bromochloromethane	89		86		70-130	3		30
1,2-Dibromoethane	101		97		70-130	4		30
1,2-Dibromo-3-chloropropane	100		98		68-130	2		30
Isopropylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	117		115		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1404752-3 WG1404752-4								
1,2,4-Trichlorobenzene	118		118		70-130	0		30
Methyl Acetate	71		68		51-146	4		30
Cyclohexane	80		78		59-142	3		30
1,4-Dioxane	98		89		65-136	10		30
Freon-113	94		91		50-139	3		30
Methyl cyclohexane	85		85		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	105		103		70-130
4-Bromofluorobenzene	90		89		70-130
Dibromofluoromethane	99		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG1404737-6 WG1404737-7 QC Sample: L2034750-05 Client ID: TP205(3-7')												
Methylene chloride	4.0J	104	59	**56**	Q	100	**55**	Q	70-130	**54**	Q	30
1,1-Dichloroethane	6.9	104	69	**60**	Q	110	**54**	Q	70-130	**43**	Q	30
Chloroform	ND	104	50	**48**	Q	79	**43**	Q	70-130	**45**	Q	30
Carbon tetrachloride	ND	104	34	**33**	Q	43	**23**	Q	70-130	22		30
1,2-Dichloropropane	ND	104	47	**46**	Q	75	**41**	Q	70-130	**46**	Q	30
Dibromochloromethane	ND	104	30	**29**	Q	50	**27**	Q	70-130	**49**	Q	30
1,1,2-Trichloroethane	ND	104	53	**52**	Q	94	**51**	Q	70-130	**55**	Q	30
Tetrachloroethene	6.1	104	29	**22**	Q	35	**15**	Q	70-130	17		30
Chlorobenzene	ND	104	21	**20**	Q	28	**15**	Q	70-130	29		30
Trichlorofluoromethane	ND	104	52	**51**	Q	69	**38**	Q	70-139	28		30
1,2-Dichloroethane	ND	104	52	**50**	Q	92	**50**	Q	70-130	**55**	Q	30
1,1,1-Trichloroethane	35	104	75	**38**	Q	92	**31**	Q	70-130	20		30
Bromodichloromethane	ND	104	38	**37**	Q	61	**33**	Q	70-130	**46**	Q	30
trans-1,3-Dichloropropene	ND	104	33	**32**	Q	51	**28**	Q	70-130	**44**	Q	30
cis-1,3-Dichloropropene	ND	104	34	**33**	Q	52	**28**	Q	70-130	**42**	Q	30
Bromoform	ND	104	29	**28**	Q	50	**27**	Q	70-130	**52**	Q	30
1,1,2,2-Tetrachloroethane	ND	104	ND	**0**	Q	ND	**0**	Q	70-130	NC		30
Benzene	1.5	104	47	**44**	Q	69	**36**	Q	70-130	**38**	Q	30
Toluene	17	104	42	**24**	Q	57	**22**	Q	70-130	30		30
Ethylbenzene	18	104	31	**13**	Q	42	**13**	Q	70-130	29		30
Chloromethane	ND	104	90	87		160	87		52-130	**57**	Q	30
Bromomethane	ND	104	58	**56**	Q	92	**50**	Q	57-147	**45**	Q	30
Vinyl chloride	ND	104	79	76		130	72		67-130	**51**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG1404737-6 WG1404737-7 QC Sample: L2034750-05 Client ID: TP205(3-7')												
Chloroethane	ND	104	65	63		110	58		50-151	**49**	Q	30
1,1-Dichloroethene	ND	104	68	66		100	**54**	Q	65-135	**38**	Q	30
trans-1,2-Dichloroethene	ND	104	53	**51**	Q	77	**42**	Q	70-130	**38**	Q	30
Trichloroethene	ND	104	59	**57**	Q	82	**44**	Q	70-130	**32**	Q	30
1,2-Dichlorobenzene	160	104	110	**0**	Q	210	**26**	Q	70-130	**59**	Q	30
1,3-Dichlorobenzene	4.6	104	16	**10**	Q	22	**10**	Q	70-130	**35**	Q	30
1,4-Dichlorobenzene	8.8	104	18	**9**	Q	27	**10**	Q	70-130	**38**	Q	30
Methyl tert butyl ether	ND	104	66	**64**	Q	130	68		66-130	**62**	Q	30
p/m-Xylene	74	207	79	**2**	Q	120	**11**	Q	70-130	**37**	Q	30
o-Xylene	30	207	52	**10**	Q	74	**12**	Q	70-130	**35**	Q	30
cis-1,2-Dichloroethene	ND	104	52	**50**	Q	82	**44**	Q	70-130	**46**	Q	30
Styrene	ND	207	34	**16**	Q	46	**12**	Q	70-130	30		30
Dichlorodifluoromethane	ND	104	85	82		130	71		30-146	**43**	Q	30
Acetone	190	104	180	**0**	Q	320	68		54-140	**56**	Q	30
Carbon disulfide	ND	104	34	**33**	Q	45	**24**	Q	59-130	26		30
2-Butanone	44	104	98	**52**	Q	190	78		70-130	**63**	Q	30
4-Methyl-2-pentanone	ND	104	75	72		140	78		70-130	**63**	Q	30
2-Hexanone	ND	104	59	**57**	Q	120	**64**	Q	70-130	**67**	Q	30
Bromochloromethane	ND	104	49	**47**	Q	83	**45**	Q	70-130	**52**	Q	30
1,2-Dibromoethane	ND	104	35	**34**	Q	60	**32**	Q	70-130	**52**	Q	30
1,2-Dibromo-3-chloropropane	ND	104	24	**23**	Q	46	**25**	Q	68-130	**63**	Q	30
Isopropylbenzene	5.5	104	24	**18**	Q	30	**13**	Q	70-130	20		30
1,2,3-Trichlorobenzene	ND	104	6.3	**6**	Q	8.7	**5**	Q	70-130	**32**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 ***Lab Number:*** L2034750

Project Number: 06303 ***Report Date:*** 09/10/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,05 QC Batch ID: WG1404737-6 WG1404737-7 QC Sample: L2034750-05 Client ID: TP205(3-7')												
1,2,4-Trichlorobenzene	ND	104	6.6	**6**	Q	9.1	**5**	Q	70-130	**32**	Q	30
Methyl Acetate	ND	104	22	**21**	Q	ND	**0**	Q	51-146	NC		30
Cyclohexane	2.9J	104	30	**29**	Q	36	**20**	Q	59-142	17		30
1,4-Dioxane	ND	5180	4100	78		9500	104		65-136	**81**	Q	30
Freon-113	ND	104	37	**35**	Q	45	**24**	Q	50-139	20		30
Methyl cyclohexane	4.6J	104	21	**20**	Q	27	**14**	Q	70-130	23		30

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1,2-Dichloroethane-d4	95		101		70-130
4-Bromofluorobenzene	**139**	Q	**146**	Q	70-130
Dibromofluoromethane	89		89		70-130
Toluene-d8	103		102		70-130

SEMIVOLATILES

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 D
Client ID: TP201(2-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 09:10
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 15:29
Analyst: WR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100	J	ug/kg	3300	430	20
Hexachlorobenzene	ND		ug/kg	2500	460	20
Bis(2-chloroethyl)ether	ND		ug/kg	3700	560	20
2-Chloronaphthalene	ND		ug/kg	4100	410	20
3,3'-Dichlorobenzidine	ND		ug/kg	4100	1100	20
2,4-Dinitrotoluene	ND		ug/kg	4100	830	20
2,6-Dinitrotoluene	ND		ug/kg	4100	710	20
Fluoranthene	13000		ug/kg	2500	480	20
4-Chlorophenyl phenyl ether	ND		ug/kg	4100	440	20
4-Bromophenyl phenyl ether	ND		ug/kg	4100	630	20
Bis(2-chloroisopropyl)ether	ND		ug/kg	5000	710	20
Bis(2-chloroethoxy)methane	ND		ug/kg	4500	420	20
Hexachlorobutadiene	ND		ug/kg	4100	610	20
Hexachlorocyclopentadiene	ND		ug/kg	12000	3800	20
Hexachloroethane	ND		ug/kg	3300	670	20
Isophorone	ND		ug/kg	3700	540	20
Naphthalene	3200	J	ug/kg	4100	500	20
Nitrobenzene	ND		ug/kg	3700	610	20
NDPA/DPA	ND		ug/kg	3300	470	20
n-Nitrosodi-n-propylamine	ND		ug/kg	4100	640	20
Bis(2-ethylhexyl)phthalate	3100	J	ug/kg	4100	1400	20
Butyl benzyl phthalate	ND		ug/kg	4100	1000	20
Di-n-butylphthalate	ND		ug/kg	4100	780	20
Di-n-octylphthalate	ND		ug/kg	4100	1400	20
Diethyl phthalate	ND		ug/kg	4100	380	20
Dimethyl phthalate	ND		ug/kg	4100	870	20
Benzo(a)anthracene	6600		ug/kg	2500	470	20
Benzo(a)pyrene	4600		ug/kg	3300	1000	20

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 D Date Collected: 08/21/20 09:10

Client ID: TP201(2-4') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	6000		ug/kg	2500	700	20
Benzo(k)fluoranthene	2300	J	ug/kg	2500	660	20
Chrysene	5700		ug/kg	2500	430	20
Acenaphthylene	830	J	ug/kg	3300	640	20
Anthracene	3700		ug/kg	2500	810	20
Benzo(ghi)perylene	2400	J	ug/kg	3300	490	20
Fluorene	2300	J	ug/kg	4100	400	20
Phenanthrene	14000		ug/kg	2500	500	20
Dibenzo(a,h)anthracene	760	J	ug/kg	2500	480	20
Indeno(1,2,3-cd)pyrene	2700	J	ug/kg	3300	580	20
Pyrene	9500		ug/kg	2500	410	20
Biphenyl	ND		ug/kg	9400	960	20
4-Chloroaniline	ND		ug/kg	4100	750	20
2-Nitroaniline	ND		ug/kg	4100	800	20
3-Nitroaniline	ND		ug/kg	4100	780	20
4-Nitroaniline	ND		ug/kg	4100	1700	20
Dibenzofuran	1300	J	ug/kg	4100	390	20
2-Methylnaphthalene	1300	J	ug/kg	5000	500	20
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	4100	430	20
Acetophenone	ND		ug/kg	4100	510	20
2,4,6-Trichlorophenol	ND		ug/kg	2500	780	20
p-Chloro-m-cresol	ND		ug/kg	4100	620	20
2-Chlorophenol	ND		ug/kg	4100	490	20
2,4-Dichlorophenol	ND		ug/kg	3700	670	20
2,4-Dimethylphenol	ND		ug/kg	4100	1400	20
2-Nitrophenol	ND		ug/kg	8900	1600	20
4-Nitrophenol	ND		ug/kg	5800	1700	20
2,4-Dinitrophenol	ND		ug/kg	20000	1900	20
4,6-Dinitro-o-cresol	ND		ug/kg	11000	2000	20
Pentachlorophenol	ND		ug/kg	3300	910	20
Phenol	ND		ug/kg	4100	620	20
2-Methylphenol	ND		ug/kg	4100	640	20
3-Methylphenol/4-Methylphenol	ND		ug/kg	6000	650	20
2,4,5-Trichlorophenol	ND		ug/kg	4100	790	20
Carbazole	1500	J	ug/kg	4100	400	20
Atrazine	ND		ug/kg	3300	1400	20
Benzaldehyde	ND		ug/kg	5500	1100	20

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 D
Client ID: TP201(2-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 09:10
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	4100	1200	20
2,3,4,6-Tetrachlorophenol	ND		ug/kg	4100	840	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 14:39
Analyst: WR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	3900		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	170	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1
Diethyl phthalate	48	J	ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	2000		ug/kg	120	22.	1
Benzo(a)pyrene	1600		ug/kg	160	48.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	2200		ug/kg	120	33.	1
Benzo(k)fluoranthene	740		ug/kg	120	31.	1
Chrysene	1900		ug/kg	120	20.	1
Acenaphthylene	140	J	ug/kg	160	30.	1
Anthracene	740		ug/kg	120	38.	1
Benzo(ghi)perylene	960		ug/kg	160	23.	1
Fluorene	340		ug/kg	200	19.	1
Phenanthrene	3200		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	260		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	970		ug/kg	160	27.	1
Pyrene	3100		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	450	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	190	J	ug/kg	200	18.	1
2-Methylnaphthalene	130	J	ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	260		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	53.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	56		18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/20 03:23
Analyst: SG
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 08/29/20 07:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.816		ug/kg	0.560	0.025	1
Perfluoropentanoic Acid (PFPeA)	4.83		ug/kg	0.560	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	0.111	J	ug/kg	0.560	0.044	1
Perfluorohexanoic Acid (PFHxA)	2.19		ug/kg	0.560	0.059	1
Perfluoroheptanoic Acid (PFHpA)	1.05		ug/kg	0.560	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	2.09		ug/kg	0.560	0.068	1
Perfluorooctanoic Acid (PFOA)	0.790		ug/kg	0.560	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	10.8		ug/kg	0.560	0.201	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.560	0.153	1
Perfluorononanoic Acid (PFNA)	0.405	J	ug/kg	0.560	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	33.7		ug/kg	0.560	0.146	1
Perfluorodecanoic Acid (PFDA)	0.866		ug/kg	0.560	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	3.51		ug/kg	0.560	0.322	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.560	0.226	1
Perfluoroundecanoic Acid (PFUnA)	0.146	JF	ug/kg	0.560	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.560	0.171	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.560	0.110	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.560	0.095	1
Perfluorododecanoic Acid (PFDoA)	0.102	JF	ug/kg	0.560	0.078	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.560	0.229	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.560	0.061	1
PFOA/PFOS, Total	34.5		ug/kg	0.560	0.047	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	185		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		26-160

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02 D
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 09/09/20 12:05
Analyst: PS
Percent Solids: 84%

Extraction Method: EPA 3570
Extraction Date: 08/31/20 09:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/kg	47.4	12.1	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	82		15-110

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 13:56
Analyst: WR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	410		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	5100		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	90	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	2400		ug/kg	120	22.	1
Benzo(a)pyrene	2100		ug/kg	160	48.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') DUPLICATE Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	2600		ug/kg	120	33.	1
Benzo(k)fluoranthene	990		ug/kg	120	32.	1
Chrysene	2100		ug/kg	120	20.	1
Acenaphthylene	69	J	ug/kg	160	30.	1
Anthracene	1100		ug/kg	120	38.	1
Benzo(ghi)perylene	1200		ug/kg	160	23.	1
Fluorene	430		ug/kg	200	19.	1
Phenanthrene	4500		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	300		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	160	28.	1
Pyrene	4200		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	220		ug/kg	200	19.	1
2-Methylnaphthalene	66	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	320		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') DUPLICATE Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	59		18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/20 03:40
Analyst: SG
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 08/29/20 07:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.736		ug/kg	0.546	0.025	1
Perfluoropentanoic Acid (PFPeA)	4.36		ug/kg	0.546	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	0.097	J	ug/kg	0.546	0.043	1
Perfluorohexanoic Acid (PFHxA)	2.02		ug/kg	0.546	0.057	1
Perfluoroheptanoic Acid (PFHpA)	0.984		ug/kg	0.546	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	1.99		ug/kg	0.546	0.066	1
Perfluorooctanoic Acid (PFOA)	0.792		ug/kg	0.546	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9.62		ug/kg	0.546	0.196	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.150	J	ug/kg	0.546	0.149	1
Perfluorononanoic Acid (PFNA)	0.441	J	ug/kg	0.546	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	38.4		ug/kg	0.546	0.142	1
Perfluorodecanoic Acid (PFDA)	1.01		ug/kg	0.546	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	3.50		ug/kg	0.546	0.313	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.546	0.220	1
Perfluoroundecanoic Acid (PFUnA)	0.162	JF	ug/kg	0.546	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.546	0.167	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.546	0.107	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.546	0.092	1
Perfluorododecanoic Acid (PFDoA)	0.145	JF	ug/kg	0.546	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.546	0.223	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.546	0.059	1
PFOA/PFOS, Total	39.2		ug/kg	0.546	0.046	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') DUPLICATE Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	128		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**196**	Q	25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		26-160

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03 D
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 09/10/20 11:43
Analyst: PS
Percent Solids: 82%

Extraction Method: EPA 3570
Extraction Date: 08/31/20 09:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/kg	44.8	11.4	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	86		15-110

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04
Client ID: TP202(4-8')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:05
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 13:32
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04 Date Collected: 08/21/20 10:05

Client ID: TP202(4-8') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04 Date Collected: 08/21/20 10:05

Client ID: TP202(4-8') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	65		18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04
Client ID: TP202(4-8')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:05
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/20 17:41
Analyst: PS
Percent Solids: 83%

Extraction Method: EPA 3570
Extraction Date: 08/31/20 09:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/kg	8.60	2.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	79		15-110

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04
Client ID: TP202(4-8')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:05
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/20 03:57
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 08/29/20 07:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.516	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.516	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.516	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.516	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.516	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.516	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.516	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.516	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.516	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.516	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.516	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.516	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.516	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.516	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.516	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.516	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.516	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.516	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.516	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.516	0.211	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.516	0.056	1
PFOA/PFOS, Total	ND		ug/kg	0.516	0.043	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04 Date Collected: 08/21/20 10:05

Client ID: TP202(4-8') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		26-160

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 14:20
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	10000	E	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	2500		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	680		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	4300		ug/kg	120	22.	1
Benzo(a)pyrene	3600		ug/kg	160	48.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 Date Collected: 08/21/20 11:15

Client ID: TP205(3-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	3600		ug/kg	120	20.	1
Acenaphthylene	370		ug/kg	160	30.	1
Anthracene	2800		ug/kg	120	38.	1
Benzo(ghi)perylene	2200		ug/kg	160	23.	1
Fluorene	2000		ug/kg	200	19.	1
Phenanthrene	12000	E	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	570		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	2600		ug/kg	160	28.	1
Pyrene	8000	E	ug/kg	120	20.	1
Biphenyl	250	J	ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	1300		ug/kg	200	19.	1
2-Methylnaphthalene	1200		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	130	J	ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	82	J	ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	240	J	ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	1600		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 Date Collected: 08/21/20 11:15

Client ID: TP205(3-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	14		10-136
4-Terphenyl-d14	52		18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 D
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 15:08
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	8500		ug/kg	590	110	5
Benzo(b)fluoranthene	4900		ug/kg	590	170	5
Benzo(k)fluoranthene	1300		ug/kg	590	160	5
Phenanthrene	11000		ug/kg	590	120	5
Pyrene	7000		ug/kg	590	98.	5

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 D
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D-SIM
Analytical Date: 09/09/20 11:04
Analyst: PS
Percent Solids: 83%

Extraction Method: EPA 3570
Extraction Date: 08/31/20 09:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ug/kg	46.8	11.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	63		15-110

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 D
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/20 20:27
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 08/29/20 07:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.303	J	ug/kg	5.51	0.250	10
Perfluoropentanoic Acid (PFPeA)	1.51	J	ug/kg	5.51	0.507	10
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	5.51	0.430	10
Perfluorohexanoic Acid (PFHxA)	1.47	J	ug/kg	5.51	0.579	10
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	5.51	0.497	10
Perfluorohexanesulfonic Acid (PFHxS)	2.25	J	ug/kg	5.51	0.667	10
Perfluorooctanoic Acid (PFOA)	0.783	J	ug/kg	5.51	0.462	10
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	65.6		ug/kg	5.51	1.98	10
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	5.51	1.50	10
Perfluorononanoic Acid (PFNA)	ND		ug/kg	5.51	0.827	10
Perfluorooctanesulfonic Acid (PFOS)	139		ug/kg	5.51	1.43	10
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	5.51	0.739	10
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	15.9		ug/kg	5.51	3.16	10
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	5.51	2.22	10
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	5.51	0.516	10
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	5.51	1.69	10
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	5.51	1.08	10
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	5.51	0.932	10
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	5.51	0.772	10
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	5.51	2.25	10
Perfluorotetradecanoic Acid (PFTA)	0.684	J	ug/kg	5.51	0.595	10
PFOA/PFOS, Total	140	J	ug/kg	5.51	0.462	10

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 D
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**202**	Q	70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**186**	Q	63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	180		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**269**	Q	25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		26-160

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06
Client ID: TP206(2-5.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 14:44
Analyst: WR
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	68	J	ug/kg	180	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	940		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	100	J	ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	79.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	43.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	460		ug/kg	140	26.	1
Benzo(a)pyrene	440		ug/kg	180	56.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06 Date Collected: 08/21/20 12:00

Client ID: TP206(2-5.5') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	560		ug/kg	140	38.	1
Benzo(k)fluoranthene	180		ug/kg	140	37.	1
Chrysene	440		ug/kg	140	24.	1
Acenaphthylene	35	J	ug/kg	180	35.	1
Anthracene	180		ug/kg	140	45.	1
Benzo(ghi)perylene	260		ug/kg	180	27.	1
Fluorene	86	J	ug/kg	230	22.	1
Phenanthrene	670		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	61	J	ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	180	32.	1
Pyrene	780		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	520	53.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	95.	1
Dibenzofuran	52	J	ug/kg	230	22.	1
2-Methylnaphthalene	39	J	ug/kg	270	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND		ug/kg	490	86.	1
4-Nitrophenol	ND		ug/kg	320	93.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	96	J	ug/kg	230	34.	1
2-Methylphenol	ND		ug/kg	230	35.	1
3-Methylphenol/4-Methylphenol	60	J	ug/kg	330	36.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Carbazole	95	J	ug/kg	230	22.	1
Atrazine	ND		ug/kg	180	80.	1
Benzaldehyde	ND		ug/kg	300	62.	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06 Date Collected: 08/21/20 12:00

Client ID: TP206(2-5.5') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	230	70.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	71		18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07 D
Client ID: TP207(4-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:45
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/20 15:04
Analyst: WR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		ug/kg	850	110	5
Hexachlorobenzene	ND		ug/kg	640	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	960	140	5
2-Chloronaphthalene	ND		ug/kg	1100	100	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	280	5
2,4-Dinitrotoluene	ND		ug/kg	1100	210	5
2,6-Dinitrotoluene	ND		ug/kg	1100	180	5
Fluoranthene	9200		ug/kg	640	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	110	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	160	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	180	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	110	5
Hexachlorobutadiene	ND		ug/kg	1100	160	5
Hexachlorocyclopentadiene	ND		ug/kg	3000	970	5
Hexachloroethane	ND		ug/kg	850	170	5
Isophorone	ND		ug/kg	960	140	5
Naphthalene	1900		ug/kg	1100	130	5
Nitrobenzene	ND		ug/kg	960	160	5
NDPA/DPA	200	J	ug/kg	850	120	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	160	5
Bis(2-ethylhexyl)phthalate	1700		ug/kg	1100	370	5
Butyl benzyl phthalate	ND		ug/kg	1100	270	5
Di-n-butylphthalate	ND		ug/kg	1100	200	5
Di-n-octylphthalate	ND		ug/kg	1100	360	5
Diethyl phthalate	250	J	ug/kg	1100	99.	5
Dimethyl phthalate	ND		ug/kg	1100	220	5
Benzo(a)anthracene	4200		ug/kg	640	120	5
Benzo(a)pyrene	3000		ug/kg	850	260	5

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07 D
Client ID: TP207(4-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:45
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	4000		ug/kg	640	180	5
Benzo(k)fluoranthene	1400		ug/kg	640	170	5
Chrysene	4000		ug/kg	640	110	5
Acenaphthylene	480	J	ug/kg	850	160	5
Anthracene	3200		ug/kg	640	210	5
Benzo(ghi)perylene	1600		ug/kg	850	120	5
Fluorene	2300		ug/kg	1100	100	5
Phenanthrene	12000		ug/kg	640	130	5
Dibenzo(a,h)anthracene	490	J	ug/kg	640	120	5
Indeno(1,2,3-cd)pyrene	1800		ug/kg	850	150	5
Pyrene	7100		ug/kg	640	110	5
Biphenyl	250	J	ug/kg	2400	250	5
4-Chloroaniline	ND		ug/kg	1100	190	5
2-Nitroaniline	ND		ug/kg	1100	200	5
3-Nitroaniline	ND		ug/kg	1100	200	5
4-Nitroaniline	ND		ug/kg	1100	440	5
Dibenzofuran	1400		ug/kg	1100	100	5
2-Methylnaphthalene	1000	J	ug/kg	1300	130	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	110	5
Acetophenone	ND		ug/kg	1100	130	5
2,4,6-Trichlorophenol	ND		ug/kg	640	200	5
p-Chloro-m-cresol	ND		ug/kg	1100	160	5
2-Chlorophenol	ND		ug/kg	1100	130	5
2,4-Dichlorophenol	ND		ug/kg	960	170	5
2,4-Dimethylphenol	ND		ug/kg	1100	350	5
2-Nitrophenol	ND		ug/kg	2300	400	5
4-Nitrophenol	ND		ug/kg	1500	440	5
2,4-Dinitrophenol	ND		ug/kg	5100	500	5
4,6-Dinitro-o-cresol	ND		ug/kg	2800	510	5
Pentachlorophenol	ND		ug/kg	850	230	5
Phenol	ND		ug/kg	1100	160	5
2-Methylphenol	ND		ug/kg	1100	160	5
3-Methylphenol/4-Methylphenol	180	J	ug/kg	1500	170	5
2,4,5-Trichlorophenol	ND		ug/kg	1100	200	5
Carbazole	1300		ug/kg	1100	100	5
Atrazine	ND		ug/kg	850	370	5
Benzaldehyde	ND		ug/kg	1400	290	5

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07 D
Client ID: TP207(4-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:45
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1100	320	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1100	220	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	17		10-136
4-Terphenyl-d14	37		18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/28/20 14:30
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 01:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08 Date Collected: 08/21/20 13:00

Client ID: RB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	83		41-149

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/20 17:37
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 01:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.01	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.11		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08 Date Collected: 08/21/20 13:00

Client ID: RB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	134		41-149

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/01/20 05:03
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		15-110

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/20 01:07
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/01/20 14:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.84	0.376	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.84	0.365	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.220	1
Perfluorohexanoic Acid (PFHxA)	0.303	JF	ng/l	1.84	0.303	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.84	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.84	0.347	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.84	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.635	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.465	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.280	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.598	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.904	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.535	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.742	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.343	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.229	1
PFOA/PFOS, Total	ND		ng/l	1.84	0.218	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08 Date Collected: 08/21/20 13:00

Client ID: RB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	120		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		33-143

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-10
Client ID: FB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:10
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/20 01:23
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/01/20 14:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.369	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.358	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.215	1
Perfluorohexanoic Acid (PFHxA)	0.315	JF	ng/l	1.81	0.297	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.340	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.623	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.456	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.275	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.587	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.887	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.525	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.728	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.296	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.224	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.214	1

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-10 Date Collected: 08/21/20 13:10

Client ID: FB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	127		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	116		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		33-143

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/20 12:44
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1403853-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/20 12:44
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 01:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1403853-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	84		41-149

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/20 16:34
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 01:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG1403855-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.05	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	0.02	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.06	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	0.03	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/20 16:34
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 01:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG1403855-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	134		41-149

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/31/20 21:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 08/28/20 05:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 08 Batch: WG1403873-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/20 02:17
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/29/20 07:08

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-05 Batch: WG1404380-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/30/20 02:17
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/29/20 07:08

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-05 Batch: WG1404380-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	117		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	99		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	7		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		26-160

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/03/20 14:33
Analyst: PS

Extraction Method: EPA 3570
Extraction Date: 08/31/20 09:38

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 02-05 Batch: WG1404758-1					
1,4-Dioxane	ND		ug/kg	8.00	2.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	85		15-110

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/20 13:24
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1405127-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/20 13:24
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1405127-1					
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/20 13:24
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/01/20 07:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1405127-1					
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Carbazole	ND		ug/kg	170	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	170	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	81		18-120

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/20 20:42
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/01/20 14:06

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08,10 Batch: WG1405157-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/20 20:42
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 09/01/20 14:06

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08,10 Batch: WG1405157-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	92		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1403853-2 WG1403853-3								
Bis(2-chloroethyl)ether	64		69		40-140	8		30
3,3'-Dichlorobenzidine	70		82		40-140	16		30
2,4-Dinitrotoluene	71		76		48-143	7		30
2,6-Dinitrotoluene	69		76		40-140	10		30
4-Chlorophenyl phenyl ether	71		72		40-140	1		30
4-Bromophenyl phenyl ether	74		75		40-140	1		30
Bis(2-chloroisopropyl)ether	59		58		40-140	2		30
Bis(2-chloroethoxy)methane	69		67		40-140	3		30
Hexachlorocyclopentadiene	56		59		40-140	5		30
Isophorone	66		68		40-140	3		30
Nitrobenzene	67		65		40-140	3		30
NDPA/DPA	74		79		40-140	7		30
n-Nitrosodi-n-propylamine	66		66		29-132	0		30
Bis(2-ethylhexyl)phthalate	90		95		40-140	5		30
Butyl benzyl phthalate	81		95		40-140	16		30
Di-n-butylphthalate	76		87		40-140	13		30
Di-n-octylphthalate	94		100		40-140	6		30
Diethyl phthalate	76		82		40-140	8		30
Dimethyl phthalate	72		82		40-140	13		30
Biphenyl	70		71		40-140	1		30
4-Chloroaniline	41		**37**	Q	40-140	10		30
2-Nitroaniline	68		74		52-143	8		30
3-Nitroaniline	57		62		25-145	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1403853-2 WG1403853-3								
4-Nitroaniline	66		71		51-143	7		30
Dibenzofuran	72		72		40-140	0		30
1,2,4,5-Tetrachlorobenzene	64		67		2-134	5		30
Acetophenone	69		68		39-129	1		30
2,4,6-Trichlorophenol	71		82		30-130	14		30
p-Chloro-m-cresol	74		82		23-97	10		30
2-Chlorophenol	64		67		27-123	5		30
2,4-Dichlorophenol	69		72		30-130	4		30
2,4-Dimethylphenol	70		70		30-130	0		30
2-Nitrophenol	65		64		30-130	2		30
4-Nitrophenol	62		66		10-80	6		30
2,4-Dinitrophenol	78		80		20-130	3		30
4,6-Dinitro-o-cresol	76		81		20-164	6		30
Phenol	52		58		12-110	11		30
2-Methylphenol	65		69		30-130	6		30
3-Methylphenol/4-Methylphenol	68		72		30-130	6		30
2,4,5-Trichlorophenol	76		80		30-130	5		30
Carbazole	76		83		55-144	9		30
Atrazine	85		88		40-140	3		30
Benzaldehyde	65		68		40-140	5		30
Caprolactam	44		46		10-130	4		30
2,3,4,6-Tetrachlorophenol	72		76		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1403853-2 WG1403853-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		65		21-120
Phenol-d6	55		58		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	71		73		15-120
2,4,6-Tribromophenol	84		82		10-120
4-Terphenyl-d14	78		86		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG1403855-2 WG1403855-3								
Acenaphthene	90		96		40-140	6		40
2-Chloronaphthalene	84		93		40-140	10		40
Fluoranthene	116		116		40-140	0		40
Hexachlorobutadiene	68		81		40-140	17		40
Naphthalene	80		93		40-140	15		40
Benzo(a)anthracene	93		92		40-140	1		40
Benzo(a)pyrene	98		97		40-140	1		40
Benzo(b)fluoranthene	94		92		40-140	2		40
Benzo(k)fluoranthene	117		117		40-140	0		40
Chrysene	110		109		40-140	1		40
Acenaphthylene	94		102		40-140	8		40
Anthracene	107		107		40-140	0		40
Benzo(ghi)perylene	110		110		40-140	0		40
Fluorene	96		101		40-140	5		40
Phenanthrene	101		100		40-140	1		40
Dibenzo(a,h)anthracene	112		112		40-140	0		40
Indeno(1,2,3-cd)pyrene	98		98		40-140	0		40
Pyrene	116		119		40-140	3		40
2-Methylnaphthalene	83		94		40-140	12		40
Pentachlorophenol	97		97		40-140	0		40
Hexachlorobenzene	89		90		40-140	1		40
Hexachloroethane	72		90		40-140	22		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG1403855-2 WG1403855-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		69		21-120
Phenol-d6	58		66		10-120
Nitrobenzene-d5	75		89		23-120
2-Fluorobiphenyl	77		84		15-120
2,4,6-Tribromophenol	98		94		10-120
4-Terphenyl-d14	135		131		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 08 Batch: WG1403873-2 WG1403873-3								
1,4-Dioxane	108		110		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	41		38		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-05 Batch: WG1404380-2 WG1404380-3								
Perfluorobutanoic Acid (PFBA)	90		97		71-135	7		30
Perfluoropentanoic Acid (PFPeA)	88		96		69-132	9		30
Perfluorobutanesulfonic Acid (PFBS)	85		94		72-128	10		30
Perfluorohexanoic Acid (PFHxA)	95		102		70-132	7		30
Perfluoroheptanoic Acid (PFHpA)	91		99		71-131	8		30
Perfluorohexanesulfonic Acid (PFHxS)	82		96		67-130	16		30
Perfluorooctanoic Acid (PFOA)	87		97		69-133	11		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	94		101		64-140	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	86		90		70-132	5		30
Perfluorononanoic Acid (PFNA)	91		100		72-129	9		30
Perfluorooctanesulfonic Acid (PFOS)	89		97		68-136	9		30
Perfluorodecanoic Acid (PFDA)	98		108		69-133	10		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	89		103		65-137	15		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	87		94		63-144	8		30
Perfluoroundecanoic Acid (PFUnA)	89		96		64-136	8		30
Perfluorodecanesulfonic Acid (PFDS)	79		92		59-134	15		30
Perfluorooctanesulfonamide (FOSA)	84		90		67-137	7		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	80		97		61-139	19		30
Perfluorododecanoic Acid (PFDoA)	86		95		69-135	10		30
Perfluorotridecanoic Acid (PFTrDA)	86		92		66-139	7		30
Perfluorotetradecanoic Acid (PFTA)	96		104		69-133	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-05 Batch: WG1404380-2 WG1404380-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	107		105		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	120		116		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	111		108		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		103		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		106		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		106		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		105		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	96		96		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	112		110		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		109		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		105		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		105		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		94		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		109		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		12		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		88		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	116		113		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		87		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 02-05		Batch: WG1404758-2 WG1404758-3					
1,4-Dioxane	101		104		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	83		84		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1405127-2 WG1405127-3								
Acenaphthene	76		70		31-137	8		50
Hexachlorobenzene	79		74		40-140	7		50
Bis(2-chloroethyl)ether	70		66		40-140	6		50
2-Chloronaphthalene	72		68		40-140	6		50
3,3'-Dichlorobenzidine	74		63		40-140	16		50
2,4-Dinitrotoluene	76		71		40-132	7		50
2,6-Dinitrotoluene	79		72		40-140	9		50
Fluoranthene	77		70		40-140	10		50
4-Chlorophenyl phenyl ether	74		67		40-140	10		50
4-Bromophenyl phenyl ether	78		70		40-140	11		50
Bis(2-chloroisopropyl)ether	77		73		40-140	5		50
Bis(2-chloroethoxy)methane	73		68		40-117	7		50
Hexachlorobutadiene	72		67		40-140	7		50
Hexachlorocyclopentadiene	68		63		40-140	8		50
Hexachloroethane	65		63		40-140	3		50
Isophorone	77		72		40-140	7		50
Naphthalene	72		67		40-140	7		50
Nitrobenzene	70		66		40-140	6		50
NDPA/DPA	77		68		36-157	12		50
n-Nitrosodi-n-propylamine	77		71		32-121	8		50
Bis(2-ethylhexyl)phthalate	85		79		40-140	7		50
Butyl benzyl phthalate	81		76		40-140	6		50
Di-n-butylphthalate	83		77		40-140	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1405127-2 WG1405127-3								
Di-n-octylphthalate	84		78		40-140	7		50
Diethyl phthalate	75		69		40-140	8		50
Dimethyl phthalate	75		69		40-140	8		50
Benzo(a)anthracene	76		71		40-140	7		50
Benzo(a)pyrene	74		68		40-140	8		50
Benzo(b)fluoranthene	74		70		40-140	6		50
Benzo(k)fluoranthene	73		68		40-140	7		50
Chrysene	73		68		40-140	7		50
Acenaphthylene	82		76		40-140	8		50
Anthracene	80		71		40-140	12		50
Benzo(ghi)perylene	77		73		40-140	5		50
Fluorene	76		69		40-140	10		50
Phenanthrene	76		69		40-140	10		50
Dibenzo(a,h)anthracene	78		74		40-140	5		50
Indeno(1,2,3-cd)pyrene	78		74		40-140	5		50
Pyrene	78		71		35-142	9		50
Biphenyl	81		75		37-127	8		50
4-Chloroaniline	66		58		40-140	13		50
2-Nitroaniline	80		71		47-134	12		50
3-Nitroaniline	70		60		26-129	15		50
4-Nitroaniline	67		60		41-125	11		50
Dibenzofuran	73		68		40-140	7		50
2-Methylnaphthalene	74		69		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1405127-2 WG1405127-3								
1,2,4,5-Tetrachlorobenzene	85		79		40-117	7		50
Acetophenone	70		66		14-144	6		50
2,4,6-Trichlorophenol	81		74		30-130	9		50
p-Chloro-m-cresol	80		74		26-103	8		50
2-Chlorophenol	76		71		25-102	7		50
2,4-Dichlorophenol	77		72		30-130	7		50
2,4-Dimethylphenol	82		76		30-130	8		50
2-Nitrophenol	72		70		30-130	3		50
4-Nitrophenol	76		69		11-114	10		50
2,4-Dinitrophenol	73		66		4-130	10		50
4,6-Dinitro-o-cresol	76		68		10-130	11		50
Pentachlorophenol	68		63		17-109	8		50
Phenol	70		66		26-90	6		50
2-Methylphenol	78		74		30-130.	5		50
3-Methylphenol/4-Methylphenol	78		72		30-130	8		50
2,4,5-Trichlorophenol	79		74		30-130	7		50
Carbazole	77		71		54-128	8		50
Atrazine	93		84		40-140	10		50
Benzaldehyde	66		59		40-140	11		50
Caprolactam	83		78		15-130	6		50
2,3,4,6-Tetrachlorophenol	74		70		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1405127-2 WG1405127-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		67		25-120
Phenol-d6	76		69		10-120
Nitrobenzene-d5	78		72		23-120
2-Fluorobiphenyl	82		74		30-120
2,4,6-Tribromophenol	84		77		10-136
4-Terphenyl-d14	79		73		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 Batch: WG1405157-2 WG1405157-3								
Perfluorobutanoic Acid (PFBA)	100		95		67-148	5		30
Perfluoropentanoic Acid (PFPeA)	99		94		63-161	5		30
Perfluorobutanesulfonic Acid (PFBS)	95		92		65-157	3		30
Perfluorohexanoic Acid (PFHxA)	103		96		69-168	7		30
Perfluoroheptanoic Acid (PFHpA)	103		98		58-159	5		30
Perfluorohexanesulfonic Acid (PFHxS)	96		91		69-177	5		30
Perfluorooctanoic Acid (PFOA)	100		92		63-159	8		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		99		49-187	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		99		61-179	7		30
Perfluorononanoic Acid (PFNA)	99		94		68-171	5		30
Perfluorooctanesulfonic Acid (PFOS)	101		98		52-151	3		30
Perfluorodecanoic Acid (PFDA)	104		90		63-171	14		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		121		56-173	11		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	115		97		60-166	17		30
Perfluoroundecanoic Acid (PFUnA)	94		89		60-153	5		30
Perfluorodecanesulfonic Acid (PFDS)	108		93		38-156	15		30
Perfluorooctanesulfonamide (FOSA)	105		94		46-170	11		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		94		45-170	12		30
Perfluorododecanoic Acid (PFDoA)	110		107		67-153	3		30
Perfluorotridecanoic Acid (PFTrDA)	124		92		48-158	30		30
Perfluorotetradecanoic Acid (PFTA)	93		83		59-182	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 Batch: WG1405157-2 WG1405157-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		103		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		120		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		112		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		103		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		96		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		104		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		98		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		104		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		106		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		97		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		98		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		82		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		89		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46		46		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		87		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		56		33-143

Matrix Spike Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1404380-4 WG1404380-5 QC Sample: L2034750-05 Client ID: TP205(3-7')												
Perfluorobutanoic Acid (PFBA)	0.303J	5.38	3.44J	**58**	Q	3.64J	**61**	Q	71-135	6		30
Perfluoropentanoic Acid (PFPeA)	1.51J	5.38	4.62J	**58**	Q	4.94J	**63**	Q	69-132	7		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.78	3.00J	**63**	Q	3.20J	**66**	Q	72-128	6		30
Perfluorohexanoic Acid (PFHxA)	1.47J	5.38	4.59J	**58**	Q	4.91J	**63**	Q	70-132	7		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.38	3.47J	**65**	Q	3.68J	**68**	Q	71-131	6		30
Perfluorohexanesulfonic Acid (PFHxS)	2.25J	4.92	4.85J	**53**	Q	6.18	79		67-130	24		30
Perfluorooctanoic Acid (PFOA)	0.783J	5.38	3.78J	**56**	Q	4.17J	**62**	Q	69-133	10		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	65.6	5.12	64.2	**0**	Q	70.1	87		64-140	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.12	6.46	126		6.91	**133**	Q	70-132	7		30
Perfluorononanoic Acid (PFNA)	ND	5.38	3.50J	**65**	Q	3.63J	**67**	Q	72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	139	4.99	125	**0**	Q	150	**217**	Q	68-136	18		30
Perfluorodecanoic Acid (PFDA)	ND	5.38	3.88J	72		3.82J	70		69-133	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	15.9	5.16	16.3	**8**	Q	18.9	**57**	Q	65-137	15		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.38	2.84J	**53**	Q	2.75J	**51**	Q	63-144	3		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.38	3.77J	70		3.17J	**58**	Q	64-136	17		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.18	4.14J	80		4.75J	90		59-134	14		30
Perfluorooctanesulfonamide (FOSA)	ND	5.38	2.37JF	**44**	Q	3.46JF	**64**	Q	67-137	**37**	Q	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.38	2.78J	**52**	Q	3.41J	63		61-139	20		30
Perfluorododecanoic Acid (PFDoA)	ND	5.38	3.30J	**61**	Q	3.38JF	**62**	Q	69-135	2		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.38	4.42J	82		3.89J	71		66-139	13		30
Perfluorotetradecanoic Acid (PFTA)	0.684J	5.38	3.54J	**53**	Q	3.59J	**53**	Q	69-133	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1404380-4 WG1404380-5 QC Sample: L2034750-05 Client ID: TP205(3-7')												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**276**	Q	**278**	Q	25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**184**	Q	**184**	Q	32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	107		97		42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		83		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		110		64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		103		65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		96		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108		104		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**217**	Q	**171**	Q	63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		100		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		85		26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		105		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		107		65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		80		1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	123		112		65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		108		62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		82		61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**218**	Q	**207**	Q	70-151

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 02-05		QC Batch ID: WG1404758-4			WG1404758-5			QC Sample: L2034750-05			Client ID: TP205(3-7')
1,4-Dioxane	ND	476	534	112		505	111		40-140	6		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		70		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1405127-4 WG1405127-5 QC Sample: L2034750-05 Client ID: TP205(3-7')												
Acenaphthene	1200	1600	1200	**0**	Q	1600	**25**	Q	31-137	29		50
Hexachlorobenzene	ND	1600	580	**36**	Q	670	42		40-140	14		50
Bis(2-chloroethyl)ether	ND	1600	540	**34**	Q	680	43		40-140	23		50
2-Chloronaphthalene	ND	1600	620	**39**	Q	720	45		40-140	15		50
3,3'-Dichlorobenzidine	ND	1600	300	**19**	Q	380	**24**	Q	40-140	24		50
2,4-Dinitrotoluene	ND	1600	ND	**0**	Q	ND	**0**	Q	40-132	NC		50
2,6-Dinitrotoluene	ND	1600	620	**39**	Q	660	42		40-140	6		50
Fluoranthene	10000E	1600	5700	**0**	Q	8400E	**0**	Q	40-140	38		50
4-Chlorophenyl phenyl ether	ND	1600	590	**37**	Q	700	44		40-140	17		50
4-Bromophenyl phenyl ether	ND	1600	560	**35**	Q	670	42		40-140	18		50
Bis(2-chloroisopropyl)ether	ND	1600	540	**34**	Q	670	42		40-140	21		50
Bis(2-chloroethoxy)methane	ND	1600	580	**36**	Q	660	42		40-117	13		50
Hexachlorobutadiene	ND	1600	630	**39**	Q	760	48		40-140	19		50
Hexachlorocyclopentadiene	ND	1600	ND	**0**	Q	ND	**0**	Q	40-140	NC		50
Hexachloroethane	ND	1600	640	40		670	42		40-140	5		50
Isophorone	ND	1600	610	**38**	Q	730	46		40-140	18		50
Naphthalene	2500	1600	2200	**0**	Q	2600	**6**	Q	40-140	17		50
Nitrobenzene	ND	1600	600	**37**	Q	740	47		40-140	21		50
NDPA/DPA	ND	1600	680	42		810	51		36-157	17		50
n-Nitrosodi-n-propylamine	ND	1600	650	41		750	47		32-121	14		50
Bis(2-ethylhexyl)phthalate	680	1600	1100	**26**	Q	1300	**39**	Q	40-140	17		50
Butyl benzyl phthalate	ND	1600	700	44		830	52		40-140	17		50
Di-n-butylphthalate	ND	1600	590	**37**	Q	700	44		40-140	17		50

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1405127-4 WG1405127-5 QC Sample: L2034750-05 Client ID: TP205(3-7')												
Di-n-octylphthalate	ND	1600	600	**37**	Q	740	47		40-140	21		50
Diethyl phthalate	ND	1600	540	**34**	Q	640	40		40-140	17		50
Dimethyl phthalate	ND	1600	550	**34**	Q	660	42		40-140	18		50
Benzo(a)anthracene	4300	1600	2900	**0**	Q	4200	**0**	Q	40-140	37		50
Benzo(a)pyrene	3600	1600	2300	**0**	Q	3300	**0**	Q	40-140	36		50
Benzo(b)fluoranthene	4900	1600	3200	**0**	Q	4500	57		40-140	34		50
Benzo(k)fluoranthene	1300	1600	1200	**0**	Q	1600	**0**	Q	40-140	29		50
Chrysene	3600	1600	2700	**0**	Q	4000	**25**	Q	40-140	39		50
Acenaphthylene	370	1600	920	**34**	Q	1100	46		40-140	18		50
Anthracene	2800	1600	2000	**0**	Q	2900	**6**	Q	40-140	37		50
Benzo(ghi)perylene	2200	1600	1600	100		2200	140		40-140	32		50
Fluorene	2000	1600	1700	**0**	Q	2200	**13**	Q	40-140	26		50
Phenanthrene	12000E	1600	6900	**0**	Q	9700E	**0**	Q	40-140	34		50
Dibenzo(a,h)anthracene	570	1600	780	49		1000	63		40-140	25		50
Indeno(1,2,3-cd)pyrene	2600	1600	1700	**0**	Q	2300	**0**	Q	40-140	30		50
Pyrene	8000E	1600	4600	**0**	Q	6700	**0**	Q	35-142	37		50
Biphenyl	250J	1600	750	47		880	55		37-127	16		50
4-Chloroaniline	ND	1600	350	**22**	Q	590	**37**	Q	40-140	**51**	Q	50
2-Nitroaniline	ND	1600	600	**37**	Q	720	**45**	Q	47-134	18		50
3-Nitroaniline	ND	1600	430	27		580	37		26-129	30		50
4-Nitroaniline	ND	1600	310	**19**	Q	630	**40**	Q	41-125	**68**	Q	50
Dibenzofuran	1300	1600	1400	**6**	Q	1600	**19**	Q	40-140	13		50
2-Methylnaphthalene	1200	1600	1400	**12**	Q	1600	**25**	Q	40-140	13		50

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1405127-4 WG1405127-5 QC Sample: L2034750-05 Client ID: TP205(3-7')												
1,2,4,5-Tetrachlorobenzene	ND	1600	620	**39**	Q	760	48		40-117	20		50
Acetophenone	ND	1600	660	41		790	50		14-144	18		50
2,4,6-Trichlorophenol	ND	1600	230	**14**	Q	280	**18**	Q	30-130	20		50
p-Chloro-m-cresol	ND	1600	580	36		670	42		26-103	14		50
2-Chlorophenol	ND	1600	490	31		620	39		25-102	23		50
2,4-Dichlorophenol	ND	1600	490	31		630	40		30-130	25		50
2,4-Dimethylphenol	130J	1600	740	46		900	57		30-130	20		50
2-Nitrophenol	ND	1600	300J	**19**	Q	280J	**18**	Q	30-130	7		50
4-Nitrophenol	ND	1600	ND	**0**	Q	ND	**0**	Q	11-114	NC		50
2,4-Dinitrophenol	ND	1600	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1600	ND	**0**	Q	ND	**0**	Q	10-130	NC		50
Pentachlorophenol	ND	1600	98J	**6**	Q	94J	**6**	Q	17-109	4		50
Phenol	82J	1600	580	36		750	47		26-90	26		50
2-Methylphenol	ND	1600	570	36		710	45		30-130.	22		50
3-Methylphenol/4-Methylphenol	240J	1600	680	42		900	57		30-130	28		50
2,4,5-Trichlorophenol	ND	1600	430	**27**	Q	520	33		30-130	19		50
Carbazole	1600	1600	1300	**0**	Q	1700	**6**	Q	54-128	27		50
Atrazine	ND	1600	590	**37**	Q	690	44		40-140	16		50
Benzaldehyde	ND	1600	1200	75		1400	88		40-140	15		50
Caprolactam	ND	1600	900	56		1000	63		15-130	11		50
2,3,4,6-Tetrachlorophenol	ND	1600	140J	**9**	Q	140J	**9**	Q	40-140	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 ***Lab Number:*** L2034750

Project Number: 06303 ***Report Date:*** 09/10/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1405127-4 WG1405127-5 QC Sample: L2034750-05 Client ID: TP205(3-7')												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	17		18		10-136
2-Fluorobiphenyl	41		48		30-120
2-Fluorophenol	26		32		25-120
4-Terphenyl-d14	33		38		18-120
Nitrobenzene-d5	40		48		23-120
Phenol-d6	32		38		10-120

PCBS

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 D
Client ID: TP201(2-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 09:10
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/20 10:44
Analyst: JAW
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	197	17.5	5	A
Aroclor 1221	ND		ug/kg	197	19.7	5	A
Aroclor 1232	ND		ug/kg	197	41.8	5	A
Aroclor 1242	ND		ug/kg	197	26.6	5	A
Aroclor 1248	ND		ug/kg	197	29.6	5	A
Aroclor 1254	ND		ug/kg	197	21.6	5	A
Aroclor 1260	ND		ug/kg	197	36.4	5	A
Aroclor 1262	ND		ug/kg	197	25.0	5	A
Aroclor 1268	ND		ug/kg	197	20.4	5	A
PCBs, Total	ND		ug/kg	197	17.5	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	**221**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/20 02:45
Analyst: AWS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	3.39	1	A
Aroclor 1221	ND		ug/kg	38.2	3.82	1	A
Aroclor 1232	ND		ug/kg	38.2	8.09	1	A
Aroclor 1242	ND		ug/kg	38.2	5.14	1	A
Aroclor 1248	ND		ug/kg	38.2	5.72	1	A
Aroclor 1254	30.8	J	ug/kg	38.2	4.18	1	A
Aroclor 1260	ND		ug/kg	38.2	7.05	1	A
Aroclor 1262	ND		ug/kg	38.2	4.85	1	A
Aroclor 1268	ND		ug/kg	38.2	3.95	1	A
PCBs, Total	30.8	J	ug/kg	38.2	3.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/20 02:58
Analyst: AWS
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.42	1	A
Aroclor 1221	ND		ug/kg	38.6	3.86	1	A
Aroclor 1232	ND		ug/kg	38.6	8.18	1	A
Aroclor 1242	ND		ug/kg	38.6	5.20	1	A
Aroclor 1248	ND		ug/kg	38.6	5.78	1	A
Aroclor 1254	26.4	J	ug/kg	38.6	4.22	1	A
Aroclor 1260	ND		ug/kg	38.6	7.13	1	A
Aroclor 1262	ND		ug/kg	38.6	4.90	1	A
Aroclor 1268	ND		ug/kg	38.6	4.00	1	A
PCBs, Total	26.4	J	ug/kg	38.6	3.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04
Client ID: TP202(4-8')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:05
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/20 03:11
Analyst: AWS
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	3.34	1	A
Aroclor 1221	ND		ug/kg	37.6	3.77	1	A
Aroclor 1232	ND		ug/kg	37.6	7.98	1	A
Aroclor 1242	ND		ug/kg	37.6	5.08	1	A
Aroclor 1248	ND		ug/kg	37.6	5.65	1	A
Aroclor 1254	ND		ug/kg	37.6	4.12	1	A
Aroclor 1260	ND		ug/kg	37.6	6.96	1	A
Aroclor 1262	ND		ug/kg	37.6	4.78	1	A
Aroclor 1268	ND		ug/kg	37.6	3.90	1	A
PCBs, Total	ND		ug/kg	37.6	3.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 D
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/20 01:15
Analyst: AWS
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	195	17.3	5	A
Aroclor 1221	ND		ug/kg	195	19.6	5	A
Aroclor 1232	ND		ug/kg	195	41.4	5	A
Aroclor 1242	ND		ug/kg	195	26.3	5	A
Aroclor 1248	ND		ug/kg	195	29.3	5	A
Aroclor 1254	137	J	ug/kg	195	21.3	5	A
Aroclor 1260	ND		ug/kg	195	36.0	5	A
Aroclor 1262	ND		ug/kg	195	24.8	5	A
Aroclor 1268	ND		ug/kg	195	20.2	5	A
PCBs, Total	137	J	ug/kg	195	17.3	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06
Client ID: TP206(2-5.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/20 03:24
Analyst: AWS
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.7	4.06	1	A
Aroclor 1221	ND		ug/kg	45.7	4.58	1	A
Aroclor 1232	ND		ug/kg	45.7	9.68	1	A
Aroclor 1242	ND		ug/kg	45.7	6.16	1	A
Aroclor 1248	ND		ug/kg	45.7	6.85	1	A
Aroclor 1254	65.3		ug/kg	45.7	5.00	1	A
Aroclor 1260	ND		ug/kg	45.7	8.44	1	A
Aroclor 1262	ND		ug/kg	45.7	5.80	1	A
Aroclor 1268	ND		ug/kg	45.7	4.73	1	A
PCBs, Total	65.3		ug/kg	45.7	4.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07 D
Client ID: TP207(4-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 12:45
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/20 10:51
Analyst: JAW
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	211	18.8	5	A
Aroclor 1221	ND		ug/kg	211	21.2	5	A
Aroclor 1232	ND		ug/kg	211	44.8	5	A
Aroclor 1242	ND		ug/kg	211	28.5	5	A
Aroclor 1248	ND		ug/kg	211	31.7	5	A
Aroclor 1254	ND		ug/kg	211	23.1	5	A
Aroclor 1260	ND		ug/kg	211	39.0	5	A
Aroclor 1262	ND		ug/kg	211	26.8	5	A
Aroclor 1268	ND		ug/kg	211	21.9	5	A
PCBs, Total	ND		ug/kg	211	18.8	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	**185**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/28/20 23:57
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 08/27/20 23:57
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/28/20 19:03
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 08/27/20 20:02
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG1403786-1						
Aroclor 1016	ND		ug/kg	31.6	2.80	A
Aroclor 1221	ND		ug/kg	31.6	3.16	A
Aroclor 1232	ND		ug/kg	31.6	6.70	A
Aroclor 1242	ND		ug/kg	31.6	4.26	A
Aroclor 1248	ND		ug/kg	31.6	4.74	A
Aroclor 1254	ND		ug/kg	31.6	3.46	A
Aroclor 1260	ND		ug/kg	31.6	5.84	A
Aroclor 1262	ND		ug/kg	31.6	4.01	A
Aroclor 1268	ND		ug/kg	31.6	3.27	A
PCBs, Total	ND		ug/kg	31.6	2.80	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/28/20 23:31
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 08/27/20 23:57
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/20
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG1403839-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	54		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1403786-2 WG1403786-3									
Aroclor 1016	76		81		40-140	6		50	A
Aroclor 1260	75		79		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		71		30-150	A
Decachlorobiphenyl	70		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		71		30-150	B
Decachlorobiphenyl	66		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG1403839-2 WG1403839-3									
Aroclor 1016	56		61		40-140	9		50	A
Aroclor 1260	51		56		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		65		30-150	A
Decachlorobiphenyl	61		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		61		30-150	B
Decachlorobiphenyl	54		60		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 ***Lab Number:*** L2034750

Project Number: 06303 ***Report Date:*** 09/10/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*	*Column*
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1403786-4 WG1403786-5 QC Sample: L2034750-05 Client ID: TP205(3-7')													
Aroclor 1016	ND	237	200	84		194J	78		40-140	3		50	A
Aroclor 1260	ND	237	284	120		252	101		40-140	12		50	A

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	56		51		30-150	A
Decachlorobiphenyl	49		39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		49		30-150	B
Decachlorobiphenyl	127		95		30-150	B

PESTICIDES

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/20 12:04
Analyst: BM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 21:27
Cleanup Method: EPA 3620B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.780	0.348	1	A
Alpha-BHC	ND		ug/kg	0.780	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.710	1	A
Heptachlor	ND		ug/kg	0.936	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.780	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.819	1	A
Endrin ketone	ND		ug/kg	1.87	0.482	1	A
Dieldrin	ND		ug/kg	1.17	0.585	1	A
4,4'-DDE	ND		ug/kg	1.87	0.433	1	A
4,4'-DDD	ND		ug/kg	1.87	0.668	1	A
4,4'-DDT	ND		ug/kg	3.51	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.780	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.82	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A
trans-Chlordane	ND		ug/kg	2.34	0.618	1	A
Chlordane	ND		ug/kg	15.6	6.20	1	A

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/20 15:09
Analyst: EL
Percent Solids: 84%
Methylation Date: 08/27/20 06:24

Extraction Method: EPA 8151A
Extraction Date: 08/26/20 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	12.1	1	A
2,4,5-T	ND		ug/kg	193	5.97	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	5.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	108		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/20 12:15
Analyst: BM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 21:27
Cleanup Method: EPA 3620B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.800	0.357	1	A
Alpha-BHC	ND		ug/kg	0.800	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.728	1	A
Heptachlor	ND		ug/kg	0.960	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.676	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.800	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.840	1	A
Endrin ketone	ND		ug/kg	1.92	0.494	1	A
Dieldrin	ND		ug/kg	1.20	0.600	1	A
4,4'-DDE	ND		ug/kg	1.92	0.444	1	A
4,4'-DDD	ND		ug/kg	1.92	0.684	1	A
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.800	0.381	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.668	1	A
trans-Chlordane	ND		ug/kg	2.40	0.633	1	A
Chlordane	ND		ug/kg	16.0	6.36	1	A

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') DUPLICATE Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	**424**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	**471**	Q	30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/20 15:27
Analyst: EL
Percent Solids: 82%
Methylation Date: 08/27/20 06:24

Extraction Method: EPA 8151A
Extraction Date: 08/26/20 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	200	12.6	1	A
2,4,5-T	ND		ug/kg	200	6.21	1	A
2,4,5-TP (Silvex)	ND		ug/kg	200	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	110		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04
Client ID: TP202(4-8')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:05
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/20 11:55
Analyst: BM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 21:27
Cleanup Method: EPA 3620B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.766	0.343	1	A
Alpha-BHC	ND		ug/kg	0.766	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.698	1	A
Heptachlor	ND		ug/kg	0.920	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.648	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.03	1	A
Endrin	ND		ug/kg	0.766	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.805	1	A
Endrin ketone	ND		ug/kg	1.84	0.474	1	A
Dieldrin	ND		ug/kg	1.15	0.575	1	A
4,4'-DDE	ND		ug/kg	1.84	0.425	1	A
4,4'-DDD	ND		ug/kg	1.84	0.656	1	A
4,4'-DDT	ND		ug/kg	3.45	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.435	1	A
Endosulfan II	ND		ug/kg	1.84	0.615	1	A
Endosulfan sulfate	ND		ug/kg	0.766	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.66	1	A
cis-Chlordane	ND		ug/kg	2.30	0.641	1	A
trans-Chlordane	ND		ug/kg	2.30	0.607	1	A
Chlordane	ND		ug/kg	15.3	6.09	1	A

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04 Date Collected: 08/21/20 10:05

Client ID: TP202(4-8') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	140		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04
Client ID: TP202(4-8')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 10:05
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/20 15:45
Analyst: EL
Percent Solids: 83%
Methylation Date: 08/27/20 06:24

Extraction Method: EPA 8151A
Extraction Date: 08/26/20 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	197	12.4	1	A
2,4,5-T	ND		ug/kg	197	6.10	1	A
2,4,5-TP (Silvex)	ND		ug/kg	197	5.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	86		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/20 08:56
Analyst: BM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/27/20 21:27
Cleanup Method: EPA 3620B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.33	1.83	5	B
Lindane	ND		ug/kg	3.89	1.74	5	B
Alpha-BHC	ND		ug/kg	3.89	1.10	5	B
Beta-BHC	ND		ug/kg	9.33	3.54	5	B
Heptachlor	ND		ug/kg	4.66	2.09	5	B
Aldrin	ND		ug/kg	9.33	3.28	5	B
Heptachlor epoxide	ND		ug/kg	17.5	5.25	5	B
Endrin	ND		ug/kg	3.89	1.59	5	B
Endrin aldehyde	ND		ug/kg	11.7	4.08	5	B
Endrin ketone	ND		ug/kg	9.33	2.40	5	B
Dieldrin	ND		ug/kg	5.83	2.92	5	B
4,4'-DDE	ND		ug/kg	9.33	2.16	5	B
4,4'-DDD	ND		ug/kg	9.33	3.33	5	B
4,4'-DDT	ND		ug/kg	17.5	7.50	5	B
Endosulfan I	ND		ug/kg	9.33	2.20	5	B
Endosulfan II	ND		ug/kg	9.33	3.12	5	B
Endosulfan sulfate	ND		ug/kg	3.89	1.85	5	B
Methoxychlor	ND		ug/kg	17.5	5.44	5	B
Toxaphene	ND		ug/kg	175	49.0	5	B
cis-Chlordane	ND		ug/kg	11.7	3.25	5	B
trans-Chlordane	ND		ug/kg	11.7	3.08	5	B
Chlordane	ND		ug/kg	77.7	30.9	5	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 Date Collected: 08/21/20 11:15

Client ID: TP205(3-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	149		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/27/20 14:15
Analyst: EL
Percent Solids: 83%
Methylation Date: 08/27/20 06:24

Extraction Method: EPA 8151A
Extraction Date: 08/26/20 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	12.4	1	A
2,4,5-T	ND		ug/kg	196	6.09	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	5.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	90		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/28/20 12:12
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 08/27/20 23:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08 Date Collected: 08/21/20 13:00

Client ID: RB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08
Client ID: RB-201
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 08/21/20 13:00
Date Received: 08/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/28/20 11:16
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 08/27/20 18:46

Methylation Date: 08/28/20 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	94		30-150	B

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/27/20 09:27
Analyst: EL

Extraction Method: EPA 8151A
Extraction Date: 08/25/20 23:08

Methylation Date: 08/26/20 19:03

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-05 Batch: WG1402871-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.11	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.38	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	91		30-150	B

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/28/20 07:47
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 08/27/20 12:25
Cleanup Method: EPA 3620B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-05 Batch: WG1403611-1						
Delta-BHC	ND		ug/kg	1.54	0.303	A
Lindane	ND		ug/kg	0.644	0.288	A
Alpha-BHC	ND		ug/kg	0.644	0.183	A
Beta-BHC	ND		ug/kg	1.54	0.586	A
Heptachlor	ND		ug/kg	0.773	0.346	A
Aldrin	ND		ug/kg	1.54	0.544	A
Heptachlor epoxide	ND		ug/kg	2.90	0.869	A
Endrin	ND		ug/kg	0.644	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.676	A
Endrin ketone	ND		ug/kg	1.54	0.398	A
Dieldrin	ND		ug/kg	0.966	0.483	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.551	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.365	A
Endosulfan II	ND		ug/kg	1.54	0.516	A
Endosulfan sulfate	ND		ug/kg	0.644	0.306	A
Methoxychlor	ND		ug/kg	2.90	0.901	A
Toxaphene	ND		ug/kg	29.0	8.11	A
cis-Chlordane	ND		ug/kg	1.93	0.538	A
trans-Chlordane	ND		ug/kg	1.93	0.510	A
Chlordane	ND		ug/kg	12.9	5.12	A

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/28/20 07:47
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 08/27/20 12:25
Cleanup Method: EPA 3620B
Cleanup Date: 08/28/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-05 Batch: WG1403611-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/28/20 10:21
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 08/27/20 18:46

Methylation Date: 08/28/20 07:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08 Batch: WG1403771-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	99		30-150	B

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/28/20 11:33
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 08/27/20 23:55

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1403837-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/28/20 11:33
Analyst: SM

Extraction Method: EPA 3510C
Extraction Date: 08/27/20 23:55

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1403837-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1402871-2 WG1402871-3									
2,4-D	98		93		30-150	5		30	A
2,4,5-T	96		94		30-150	2		30	A
2,4,5-TP (Silvex)	92		89		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		90		30-150	A
DCAA	95		89		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1403611-2 WG1403611-3									
Delta-BHC	69		68		30-150	1		30	A
Lindane	63		64		30-150	2		30	A
Alpha-BHC	66		67		30-150	2		30	A
Beta-BHC	63		66		30-150	5		30	A
Heptachlor	67		68		30-150	1		30	A
Aldrin	66		67		30-150	2		30	A
Heptachlor epoxide	67		67		30-150	0		30	A
Endrin	70		70		30-150	0		30	A
Endrin aldehyde	50		49		30-150	2		30	A
Endrin ketone	73		70		30-150	4		30	A
Dieldrin	73		72		30-150	1		30	A
4,4'-DDE	68		68		30-150	0		30	A
4,4'-DDD	75		74		30-150	1		30	A
4,4'-DDT	78		78		30-150	0		30	A
Endosulfan I	67		68		30-150	1		30	A
Endosulfan II	71		69		30-150	3		30	A
Endosulfan sulfate	64		61		30-150	5		30	A
Methoxychlor	78		75		30-150	4		30	A
cis-Chlordane	66		65		30-150	2		30	A
trans-Chlordane	66		64		30-150	3		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1403611-2 WG1403611-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	A
Decachlorobiphenyl	82		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		75		30-150	B
Decachlorobiphenyl	75		76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020

Project Number: 06303

Lab Number: L2034750

Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1403771-2 WG1403771-3									
2,4-D	99		104		30-150	5		25	A
2,4,5-T	100		104		30-150	4		25	A
2,4,5-TP (Silvex)	103		108		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	93		95		30-150	A
DCAA	110		117		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1403837-2 WG1403837-3									
Delta-BHC	82		70		30-150	16		20	A
Lindane	78		70		30-150	10		20	A
Alpha-BHC	87		76		30-150	13		20	A
Beta-BHC	79		70		30-150	13		20	A
Heptachlor	82		72		30-150	13		20	A
Aldrin	78		70		30-150	12		20	A
Heptachlor epoxide	80		71		30-150	12		20	A
Endrin	82		73		30-150	12		20	A
Endrin aldehyde	71		65		30-150	8		20	A
Endrin ketone	84		74		30-150	13		20	A
Dieldrin	86		77		30-150	11		20	A
4,4'-DDE	78		69		30-150	12		20	A
4,4'-DDD	87		77		30-150	12		20	A
4,4'-DDT	78		69		30-150	12		20	A
Endosulfan I	78		70		30-150	10		20	A
Endosulfan II	77		73		30-150	6		20	A
Endosulfan sulfate	80		74		30-150	7		20	A
Methoxychlor	80		70		30-150	12		20	A
cis-Chlordane	64		56		30-150	12		20	A
trans-Chlordane	76		69		30-150	10		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1403837-2 WG1403837-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		76		30-150	A
Decachlorobiphenyl	72		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		67		30-150	B
Decachlorobiphenyl	62		58		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 ***Lab Number:*** L2034750

Project Number: 06303 ***Report Date:*** 09/10/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*	*Column*
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1402871-4 WG1402871-5 QC Sample: L2034750-05 Client ID: TP205(3-7')													
2,4-D	ND	200	111J	55		155J	79		30-150	**33**	Q	30	A
2,4,5-T	ND	200	100J	50		132J	67		30-150	28		30	A
2,4,5-TP (Silvex)	ND	200	107J	53		152J	77		30-150	**35**	Q	30	A

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
DCAA	57		84		30-150	A
DCAA	65		94		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 ***Lab Number:*** L2034750

Project Number: 06303 ***Report Date:*** 09/10/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*	*Column*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1403611-4 WG1403611-5 QC Sample: L2034750-05 Client ID: TP205(3-7')													
Delta-BHC	ND	39.9	36.5P	91		28.4	72		30-150	25		50	B
Lindane	ND	39.9	35.5P	89		32.1P	81		30-150	10		50	B
Alpha-BHC	ND	39.9	23.4P	59		23.7	60		30-150	1		50	B
Beta-BHC	ND	39.9	35.4	89		28.9	73		30-150	20		50	B
Heptachlor	ND	39.9	28.6P	72		15.6	39		30-150	**59**	Q	50	B
Aldrin	ND	39.9	58.7	147		53.5	135		30-150	9		50	B
Heptachlor epoxide	ND	39.9	43.4P	109		31.7P	80		30-150	31		50	B
Endrin	ND	39.9	76.1P	**191**	Q	28.1P	71		30-150	**92**	Q	50	B
Endrin aldehyde	ND	39.9	61.9P	**155**	Q	56.4P	142		30-150	9		50	B
Endrin ketone	ND	39.9	12.7	32		11.8	**30**	Q	30-150	7		50	B
Dieldrin	ND	39.9	53.2P	133		30.3P	76		30-150	**55**	Q	50	B
4,4'-DDE	ND	39.9	58.6P	147		15.5	39		30-150	**116**	Q	50	B
4,4'-DDD	ND	39.9	55.5P	139		21.0	53		30-150	**90**	Q	50	B
4,4'-DDT	ND	39.9	59.6P	149		57.0P	144		30-150	4		50	B
Endosulfan I	ND	39.9	95.8P	**240**	Q	73.3P	**185**	Q	30-150	27		50	B
Endosulfan II	ND	39.9	33.9	85		25.7	65		30-150	28		50	B
Endosulfan sulfate	ND	39.9	6.88	**17**	Q	12.2	31		30-150	**56**	Q	50	B
Methoxychlor	ND	39.9	82.2P	**206**	Q	116P	**292**	Q	30-150	34		50	B
cis-Chlordane	ND	39.9	72.2P	**181**	Q	62.4P	**157**	Q	30-150	15		50	B
trans-Chlordane	ND	39.9	40.6P	102		16.7	42		30-150	**83**	Q	50	B

Matrix Spike Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020 ***Lab Number:*** L2034750

Project Number: 06303 ***Report Date:*** 09/10/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1403611-4 WG1403611-5 QC Sample: L2034750-05 Client ID: TP205(3-7')												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	30		34		30-150	A
Decachlorobiphenyl	94		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		68		30-150	B
Decachlorobiphenyl	**166**	Q	**177**	Q	30-150	B

METALS

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01 Date Collected: 08/21/20 09:10

Client ID: TP201(2-4') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4930		mg/kg	9.61	2.60	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Antimony, Total	1.51	J	mg/kg	4.81	0.365	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Arsenic, Total	4.35		mg/kg	0.961	0.200	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Barium, Total	88.1		mg/kg	0.961	0.167	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Beryllium, Total	0.298	J	mg/kg	0.481	0.032	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Cadmium, Total	0.432	J	mg/kg	0.961	0.094	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Calcium, Total	92800		mg/kg	96.1	33.6	20	08/27/20 21:12	08/28/20 21:09	EPA 3050B	1,6010D	BV
Chromium, Total	10.4		mg/kg	0.961	0.092	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Cobalt, Total	2.48		mg/kg	1.92	0.160	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Copper, Total	40.6		mg/kg	0.961	0.248	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Iron, Total	9800		mg/kg	4.81	0.868	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Lead, Total	90.6		mg/kg	4.81	0.258	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Magnesium, Total	13800		mg/kg	9.61	1.48	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Manganese, Total	259		mg/kg	0.961	0.153	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Mercury, Total	0.464		mg/kg	0.085	0.055	1	08/27/20 21:44	08/28/20 08:47	EPA 7471B	1,7471B	EW
Nickel, Total	6.74		mg/kg	2.40	0.233	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Potassium, Total	813		mg/kg	240	13.8	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Selenium, Total	0.269	J	mg/kg	1.92	0.248	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.961	0.272	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Sodium, Total	360		mg/kg	192	3.03	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.92	0.303	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Vanadium, Total	10.5		mg/kg	0.961	0.195	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD
Zinc, Total	213		mg/kg	4.81	0.282	2	08/27/20 21:12	08/28/20 16:09	EPA 3050B	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4900		mg/kg	9.40	2.54	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Antimony, Total	1.59	J	mg/kg	4.70	0.357	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Arsenic, Total	5.86		mg/kg	0.940	0.195	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Barium, Total	76.4		mg/kg	0.940	0.163	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Beryllium, Total	0.282	J	mg/kg	0.470	0.031	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Cadmium, Total	0.178	J	mg/kg	0.940	0.092	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Calcium, Total	33500		mg/kg	9.40	3.29	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Chromium, Total	18.8		mg/kg	0.940	0.090	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Cobalt, Total	4.73		mg/kg	1.88	0.156	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Copper, Total	31.2		mg/kg	0.940	0.242	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Iron, Total	17800		mg/kg	4.70	0.848	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Lead, Total	141		mg/kg	4.70	0.252	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Magnesium, Total	3800		mg/kg	9.40	1.45	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Manganese, Total	669		mg/kg	0.940	0.149	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Mercury, Total	0.091		mg/kg	0.082	0.054	1	08/27/20 21:44	08/28/20 08:57	EPA 7471B	1,7471B	EW
Nickel, Total	14.1		mg/kg	2.35	0.227	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Potassium, Total	611		mg/kg	235	13.5	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.88	0.242	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.940	0.266	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Sodium, Total	166	J	mg/kg	188	2.96	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.88	0.296	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Vanadium, Total	13.9		mg/kg	0.940	0.191	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD
Zinc, Total	74.7		mg/kg	4.70	0.275	2	08/27/20 21:12	08/28/20 16:13	EPA 3050B	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03 Date Collected: 08/21/20 10:00

Client ID: TP202(0.5-3') DUPLICATE Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4940		mg/kg	9.42	2.54	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Antimony, Total	1.15	J	mg/kg	4.71	0.358	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Arsenic, Total	3.85		mg/kg	0.942	0.196	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Barium, Total	60.0		mg/kg	0.942	0.164	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Beryllium, Total	0.273	J	mg/kg	0.471	0.031	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Cadmium, Total	0.132	J	mg/kg	0.942	0.092	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Calcium, Total	26600		mg/kg	9.42	3.30	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Chromium, Total	12.0		mg/kg	0.942	0.090	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Cobalt, Total	3.73		mg/kg	1.88	0.156	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Copper, Total	23.7		mg/kg	0.942	0.243	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Iron, Total	11000		mg/kg	4.71	0.850	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Lead, Total	41.2		mg/kg	4.71	0.252	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Magnesium, Total	4180		mg/kg	9.42	1.45	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Manganese, Total	509		mg/kg	0.942	0.150	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Mercury, Total	0.092		mg/kg	0.086	0.056	1	08/27/20 21:44	08/28/20 09:00	EPA 7471B	1,7471B	EW
Nickel, Total	11.1		mg/kg	2.35	0.228	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Potassium, Total	570		mg/kg	235	13.6	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Selenium, Total	0.245	J	mg/kg	1.88	0.243	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.942	0.266	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Sodium, Total	152	J	mg/kg	188	2.97	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.88	0.297	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Vanadium, Total	11.4		mg/kg	0.942	0.191	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD
Zinc, Total	62.0		mg/kg	4.71	0.276	2	08/27/20 21:12	08/28/20 16:18	EPA 3050B	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04 Date Collected: 08/21/20 10:05

Client ID: TP202(4-8') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10000		mg/kg	9.02	2.44	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Antimony, Total	1.13	J	mg/kg	4.51	0.343	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Arsenic, Total	3.75		mg/kg	0.902	0.188	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Barium, Total	170		mg/kg	0.902	0.157	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Beryllium, Total	0.505		mg/kg	0.451	0.030	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.902	0.088	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Calcium, Total	55800		mg/kg	9.02	3.16	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Chromium, Total	17.4		mg/kg	0.902	0.087	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Cobalt, Total	10.3		mg/kg	1.80	0.150	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Copper, Total	15.9		mg/kg	0.902	0.233	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Iron, Total	19300		mg/kg	4.51	0.814	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Lead, Total	9.15		mg/kg	4.51	0.242	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Magnesium, Total	14400		mg/kg	9.02	1.39	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Manganese, Total	443		mg/kg	0.902	0.143	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.077	0.050	1	08/27/20 21:44	08/28/20 09:03	EPA 7471B	1,7471B	EW
Nickel, Total	23.1		mg/kg	2.25	0.218	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Potassium, Total	1060		mg/kg	225	13.0	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.80	0.233	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.902	0.255	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Sodium, Total	175	J	mg/kg	180	2.84	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.80	0.284	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Vanadium, Total	20.8		mg/kg	0.902	0.183	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD
Zinc, Total	57.1		mg/kg	4.51	0.264	2	08/27/20 21:12	08/28/20 16:22	EPA 3050B	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05 Date Collected: 08/21/20 11:15

Client ID: TP205(3-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6020		mg/kg	9.16	2.47	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Antimony, Total	2.19	J	mg/kg	4.58	0.348	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Arsenic, Total	5.94		mg/kg	0.916	0.190	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Barium, Total	118		mg/kg	0.916	0.159	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Beryllium, Total	0.385	J	mg/kg	0.458	0.030	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Cadmium, Total	0.568	J	mg/kg	0.916	0.090	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Calcium, Total	82300		mg/kg	91.6	32.1	20	08/27/20 21:12	08/28/20 21:14	EPA 3050B	1,6010D	BV
Chromium, Total	19.2		mg/kg	0.916	0.088	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Cobalt, Total	5.57		mg/kg	1.83	0.152	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Copper, Total	36.6		mg/kg	0.916	0.236	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Iron, Total	14000		mg/kg	4.58	0.827	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Lead, Total	115		mg/kg	4.58	0.246	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Magnesium, Total	14300		mg/kg	9.16	1.41	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Manganese, Total	429		mg/kg	0.916	0.146	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Mercury, Total	0.098		mg/kg	0.077	0.051	1	08/27/20 21:44	08/28/20 08:33	EPA 7471B	1,7471B	EW
Nickel, Total	14.7		mg/kg	2.29	0.222	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Potassium, Total	1110		mg/kg	229	13.2	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.83	0.236	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.916	0.259	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Sodium, Total	330		mg/kg	183	2.88	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.83	0.288	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Vanadium, Total	14.7		mg/kg	0.916	0.186	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD
Zinc, Total	312		mg/kg	4.58	0.268	2	08/27/20 21:12	08/28/20 15:04	EPA 3050B	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06 Date Collected: 08/21/20 12:00

Client ID: TP206(2-5.5') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7430		mg/kg	10.7	2.88	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Antimony, Total	1.27	J	mg/kg	5.34	0.406	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Arsenic, Total	5.15		mg/kg	1.07	0.222	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Barium, Total	96.4		mg/kg	1.07	0.186	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Beryllium, Total	0.459	J	mg/kg	0.534	0.035	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Cadmium, Total	0.363	J	mg/kg	1.07	0.105	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Calcium, Total	52400		mg/kg	10.7	3.74	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Chromium, Total	13.4		mg/kg	1.07	0.102	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Cobalt, Total	7.28		mg/kg	2.14	0.177	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Copper, Total	166		mg/kg	1.07	0.276	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Iron, Total	17800		mg/kg	5.34	0.965	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Lead, Total	55.1		mg/kg	5.34	0.286	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Magnesium, Total	11300		mg/kg	10.7	1.64	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Manganese, Total	351		mg/kg	1.07	0.170	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Mercury, Total	0.064	J	mg/kg	0.096	0.063	1	08/27/20 21:44	08/28/20 09:07	EPA 7471B	1,7471B	EW
Nickel, Total	16.5		mg/kg	2.67	0.258	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Potassium, Total	1240		mg/kg	267	15.4	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	2.14	0.276	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	1.07	0.302	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Sodium, Total	416		mg/kg	214	3.36	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	2.14	0.336	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Vanadium, Total	17.1		mg/kg	1.07	0.217	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD
Zinc, Total	152		mg/kg	5.34	0.313	2	08/27/20 21:12	08/28/20 16:27	EPA 3050B	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07 Date Collected: 08/21/20 12:45

Client ID: TP207(4-7') Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6040		mg/kg	10.2	2.75	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Antimony, Total	2.22	J	mg/kg	5.08	0.386	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Arsenic, Total	8.97		mg/kg	1.02	0.212	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Barium, Total	141		mg/kg	1.02	0.177	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Beryllium, Total	0.346	J	mg/kg	0.508	0.034	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Cadmium, Total	1.62		mg/kg	1.02	0.100	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Calcium, Total	61400		mg/kg	10.2	3.56	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Chromium, Total	14.4		mg/kg	1.02	0.098	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Cobalt, Total	5.15		mg/kg	2.03	0.169	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Copper, Total	52.0		mg/kg	1.02	0.262	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Iron, Total	19000		mg/kg	5.08	0.918	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Lead, Total	154		mg/kg	5.08	0.273	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Magnesium, Total	10400		mg/kg	10.2	1.57	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Manganese, Total	278		mg/kg	1.02	0.162	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Mercury, Total	0.401		mg/kg	0.081	0.053	1	08/27/20 21:44	08/28/20 09:10	EPA 7471B	1,7471B	EW
Nickel, Total	14.7		mg/kg	2.54	0.246	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Potassium, Total	864		mg/kg	254	14.6	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Selenium, Total	0.448	J	mg/kg	2.03	0.262	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	1.02	0.288	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Sodium, Total	305		mg/kg	203	3.20	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	2.03	0.320	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Vanadium, Total	16.1		mg/kg	1.02	0.206	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD
Zinc, Total	514		mg/kg	5.08	0.298	2	08/27/20 21:12	08/28/20 16:32	EPA 3050B	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-08 Date Collected: 08/21/20 13:00

Client ID: RB-201 Date Received: 08/25/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Antimony, Total	0.023	J	mg/l	0.050	0.007	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Barium, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Calcium, Total	ND		mg/l	0.100	0.035	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Chromium, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Cobalt, Total	ND		mg/l	0.020	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Copper, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Iron, Total	ND		mg/l	0.050	0.009	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Lead, Total	ND		mg/l	0.010	0.003	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Magnesium, Total	ND		mg/l	0.100	0.015	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Manganese, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/28/20 09:10	08/28/20 15:24	EPA 7470A	1,7470A	AL
Nickel, Total	ND		mg/l	0.025	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Potassium, Total	ND		mg/l	2.50	0.237	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Selenium, Total	ND		mg/l	0.010	0.004	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Silver, Total	ND		mg/l	0.007	0.003	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Sodium, Total	ND		mg/l	2.00	0.120	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Thallium, Total	0.004	J	mg/l	0.020	0.003	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Vanadium, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD
Zinc, Total	ND		mg/l	0.050	0.002	1	08/28/20 07:55	08/31/20 13:48	EPA 3005A	1,6010D	GD

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1403649-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Iron, Total	0.432	J	mg/kg	2.00	0.361	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Sodium, Total	6.24	J	mg/kg	80.0	1.26	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/27/20 21:12	08/28/20 14:55	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1403650-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/27/20 21:44	08/28/20 08:27	1,7471B	EW

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG1403929-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Antimony, Total	ND		mg/l	0.050	0.007	1	08/28/20 07:55	08/31/20 13:25	1,6010D	GD
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Barium, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Calcium, Total	ND		mg/l	0.100	0.035	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Chromium, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Cobalt, Total	ND		mg/l	0.020	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Copper, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Iron, Total	ND		mg/l	0.050	0.009	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Lead, Total	ND		mg/l	0.010	0.003	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Magnesium, Total	ND		mg/l	0.100	0.015	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Manganese, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Potassium, Total	ND		mg/l	2.50	0.237	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Selenium, Total	ND		mg/l	0.010	0.004	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Silver, Total	ND		mg/l	0.007	0.003	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Sodium, Total	ND		mg/l	2.00	0.120	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Thallium, Total	ND		mg/l	0.020	0.003	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Vanadium, Total	ND		mg/l	0.010	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD
Zinc, Total	ND		mg/l	0.050	0.002	1	08/28/20 07:55	08/31/20 11:21	1,6010D	GD

Prep Information

Digestion Method: EPA 3005A

Project Name: R1 AUGUST 2020 **Lab Number:** L2034750

Project Number: 06303 **Report Date:** 09/10/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG1403930-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/28/20 09:10	08/28/20 15:20	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1403649-2 SRM Lot Number: D109-540								
Aluminum, Total	54		-		50-150	-		
Antimony, Total	151		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	87		-		75-125	-		
Beryllium, Total	102		-		75-125	-		
Cadmium, Total	114		-		75-125	-		
Calcium, Total	91		-		73-128	-		
Chromium, Total	100		-		70-130	-		
Cobalt, Total	109		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	72		-		35-165	-		
Lead, Total	95		-		72-128	-		
Magnesium, Total	76		-		62-138	-		
Manganese, Total	85		-		74-126	-		
Nickel, Total	109		-		70-130	-		
Potassium, Total	72		-		59-141	-		
Selenium, Total	108		-		68-132	-		
Silver, Total	92		-		68-131	-		
Sodium, Total	100		-		35-165	-		
Thallium, Total	85		-		68-131	-		
Vanadium, Total	87		-		59-141	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1403649-2 SRM Lot Number: D109-540					
Zinc, Total	96	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1403650-2 SRM Lot Number: D109-540					
Mercury, Total	87	-	60-140	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1403929-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	104	-	80-120	-	
Arsenic, Total	118	-	80-120	-	
Barium, Total	114	-	80-120	-	
Beryllium, Total	115	-	80-120	-	
Cadmium, Total	114	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	105	-	80-120	-	
Cobalt, Total	109	-	80-120	-	
Copper, Total	109	-	80-120	-	
Iron, Total	107	-	80-120	-	
Lead, Total	114	-	80-120	-	
Magnesium, Total	110	-	80-120	-	
Manganese, Total	110	-	80-120	-	
Nickel, Total	106	-	80-120	-	
Potassium, Total	103	-	80-120	-	
Selenium, Total	117	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	112	-	80-120	-	
Thallium, Total	109	-	80-120	-	
Vanadium, Total	107	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1403929-2					
Zinc, Total	115	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1403930-2					
Mercury, Total	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07	QC Batch ID: WG1403649-3	WG1403649-4	QC Sample: L2034750-05	Client ID: TP205(3-7')								
Aluminum, Total	6020	185	6800	**422**	Q	6330	**171**	Q	75-125	7		20
Antimony, Total	2.19J	46.2	36.6	79		40.1	89		75-125	9		20
Arsenic, Total	5.94	11.1	16.4	94		15.4	87		75-125	6		20
Barium, Total	118	185	297	97		288	94		75-125	3		20
Beryllium, Total	0.385J	4.62	4.78	103		4.71	104		75-125	1		20
Cadmium, Total	0.568J	4.72	4.78	101		4.66	101		75-125	3		20
Calcium, Total	82300	924	97400	**1630**	Q	82900	**66**	Q	75-125	16		20
Chromium, Total	19.2	18.5	34.1	80		35.4	89		75-125	4		20
Cobalt, Total	5.57	46.2	43.9	83		42.1	81		75-125	4		20
Copper, Total	36.6	23.1	58.1	93		53.3	**74**	Q	75-125	9		20
Iron, Total	14000	92.4	12600	**0**	Q	9910	**0**	Q	75-125	**24**	Q	20
Lead, Total	115	47.2	168	112		195	**173**	Q	75-125	15		20
Magnesium, Total	14300	924	18300	**433**	Q	13400	**0**	Q	75-125	**31**	Q	20
Manganese, Total	429	46.2	431	**4**	Q	407	**0**	Q	75-125	6		20
Nickel, Total	14.7	46.2	51.3	79		48.2	**74**	Q	75-125	6		20
Potassium, Total	1110	924	2080	105		1940	92		75-125	7		20
Selenium, Total	ND	11.1	10.4	94		10.3	95		75-125	1		20
Silver, Total	ND	27.7	27.2	98		26.9	99		75-125	1		20
Sodium, Total	330	924	1310	106		1300	107		75-125	1		20
Thallium, Total	ND	11.1	6.93	**62**	Q	7.21	**66**	Q	75-125	4		20
Vanadium, Total	14.7	46.2	56.3	90		54.4	88		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1403649-3 WG1403649-4 QC Sample: L2034750-05 Client ID: TP205(3-7')											
Zinc, Total	312	46.2	331	**41**	Q	326	**31**	Q	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1403650-3 WG1403650-4 QC Sample: L2034750-05 Client ID: TP205(3-7')											
Mercury, Total	0.098	0.166	0.284	112		0.295	118		80-120	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1403929-3 QC Sample: L2035119-01 Client ID: MS Sample										
Aluminum, Total	0.042J	2	2.06	103		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.519	104		-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.135	112		-	-	75-125	-	20
Barium, Total	0.011	2	2.08	103		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.053	106		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.055	109		-	-	75-125	-	20
Calcium, Total	12.9	10	22.3	94		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.207	104		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.508	102		-	-	75-125	-	20
Copper, Total	ND	0.25	0.262	105		-	-	75-125	-	20
Iron, Total	0.019J	1	1.05	105		-	-	75-125	-	20
Lead, Total	ND	0.51	0.550	108		-	-	75-125	-	20
Magnesium, Total	1.90	10	12.1	102		-	-	75-125	-	20
Manganese, Total	0.002J	0.5	0.498	100		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.491	98		-	-	75-125	-	20
Potassium, Total	0.334J	10	10.8	108		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.132	110		-	-	75-125	-	20
Silver, Total	ND	0.05	0.054	107		-	-	75-125	-	20
Sodium, Total	65.9	10	71.4	**55**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.127	106		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.510	102		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1403929-3 QC Sample: L2035119-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.546	109	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1403930-3 QC Sample: L2034750-08 Client ID: RB-201									
Mercury, Total	ND	0.005	0.00505	101	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1403929-4 QC Sample: L2035119-01 Client ID: DUP Sample						
Calcium, Total	12.9	12.6	mg/l	2		20
Magnesium, Total	1.90	1.84	mg/l	3		20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1403930-4 QC Sample: L2034750-08 Client ID: RB-201						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-01
Client ID: TP201(2-4')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/21/20 09:10
Date Received: 08/25/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	08/26/20 21:04	121,2540G	TR

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-02
Client ID: TP202(0.5-3')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	08/26/20 21:04	121,2540G	TR

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-03
Client ID: TP202(0.5-3') DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/21/20 10:00
Date Received: 08/25/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	08/26/20 21:04	121,2540G	TR

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-04
Client ID: TP202(4-8')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/21/20 10:05
Date Received: 08/25/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	08/26/20 21:04	121,2540G	TR

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-05
Client ID: TP205(3-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/21/20 11:15
Date Received: 08/25/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	08/26/20 21:04	121,2540G	TR

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-06
Client ID: TP206(2-5.5')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/21/20 12:00
Date Received: 08/25/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.1		%	0.100	NA	1	-	08/26/20 21:04	121,2540G	TR

Project Name: R1 AUGUST 2020
Project Number: 06303
Lab Number: L2034750
Report Date: 09/10/20

SAMPLE RESULTS

Lab ID: L2034750-07
Client ID: TP207(4-7')
Sample Location: 140 CHANDLER ST., BUFFALO, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/21/20 12:45
Date Received: 08/25/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	08/26/20 21:04	121,2540G	TR

Lab Duplicate Analysis

Batch Quality Control

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1403286-1 QC Sample: L2034750-05 Client ID: TP205(3-7')						
Solids, Total	83.2	80.3	%	4		20

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2034750-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-01B	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-01C	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2034750-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2034750-01F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8082(14)
L2034750-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14)
L2034750-02B	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-02C	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2034750-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),A2-1,4-DIOXANE-SIM(14),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2034750-02F	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2034750-02G	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2034750-03A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14)
L2034750-03B	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2034750-03C	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-03D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2034750-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),A2-1,4-DIOXANE-SIM(14),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L2034750-03F	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2034750-03G	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2034750-04A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14)
L2034750-04B	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-04C	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-04D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2034750-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),A2-1,4-DIOXANE-SIM(14),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2034750-04F	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2034750-04G	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2034750-05A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-05A1	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-05B	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-05B1	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-05C	Vial water preserved	A	NA		3.5	Y	Absent	**26-AUG-20 10:01**	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-05C1	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L2034750-05D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2034750-05D1	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2034750-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),A2-1,4-DIOXANE-SIM(14),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2034750-05E1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2034750-05F	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2034750-05F1	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2034750-05G	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2034750-05G1	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)
L2034750-06A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14)
L2034750-06B	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-06C	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2034750-06E	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L2034750-07A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW-R2(14)
L2034750-07B	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-07C	Vial water preserved	A	NA		3.5	Y	Absent	21-AUG-20 15:30	NYTCL-8260HLW-R2(14)
L2034750-07D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2034750-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2034750-07F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2034750-08A	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2034750-08B	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2034750-08C	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2034750-08D	Plastic 250ml unpreserved	B	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2034750-08E	Plastic 250ml unpreserved	B	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2034750-08F	Plastic 250ml HNO3 preserved	B	<2	<2	2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2034750-08G	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L2034750-08H	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L2034750-08I	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2034750-08J	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2034750-08K	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2034750-08L	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2034750-08M	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2034750-08N	Amber 250ml unpreserved	B	7	7	2.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2034750-08O	Amber 1000ml unpreserved	B	7	7	2.4	Y	Absent		HERB-APA(7)
L2034750-08P	Amber 1000ml unpreserved	B	7	7	2.4	Y	Absent		HERB-APA(7)
L2034750-09A	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2034750-09B	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2034750-10A	Plastic 250ml unpreserved	B	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: R1 AUGUST 2020
Project Number: 06303

Lab Number: L2034750
Report Date: 09/10/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	R1 AUGUST 2020	**Lab Number:**	L2034750
Project Number:	06303	**Report Date:**	09/10/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	R1 AUGUST 2020	**Lab Number:**	L2034750
Project Number:	06303	**Report Date:**	09/10/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers

Project Name:	R1 AUGUST 2020	**Lab Number:**	L2034750
Project Number:	06303	**Report Date:**	09/10/20

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	R1 AUGUST 2020	**Lab Number:**	L2034750
Project Number:	06303	**Report Date:**	09/10/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 8/26/20

ALPHA Job #: L2034750

Client Information

Client: Environmental Advantage
Address: 3030 N. Buffalo Rd
Orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

Project Information

Project Name: RI August 2020
Project Location: 140 Chandler St. Buffalo, NY
Project # 06303
(Use Project name as Project #) ☐
Project Manager: Mark Hanna
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Open new sample delivery group starting on 8/21/2020

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Voc 8260 TCL	SVOC 8270 TCL	TAL Metals	T. PCBs	T. Pesticides	T. Herbicides	PFOAs	1,4 Dioxane	Sample Specific Comments	Total Bottle
34750-01	TP201 (2-4')	8/21/2020	9:10am	Soil	EB	X	X	X	X						6
-02	TP202 (0.5-3')	8/21/2020	10:00am	Soil	EB	X	X	X	X	X	X	X	X		7
-03	TP202 (0.5-3') Duplicate	8/21/2020	10:00am	Soil	EB	X	X	X	X	X	X	X	X		7
-04	TP202 (4-8')	8/21/2020	10:05am	Soil	EB	X	X	X	X	X	X	X	X		7
	~~TP204 (1-5')~~	~~8/21/2020~~	~~10:40am~~	~~Soil~~	~~EB~~	~~X~~	~~X~~	~~X~~	~~X~~					NB	~~7~~
-05	TP205 (3-7')	8/21/2020	11:15am	Soil	EB	X	X	X	X	X	X	X	X		7
-05	TP205 (3-7') MS/MSD	8/21/2020	11:15am	Soil	EB	X	X	X	X	X	X	X	X		7
-06	TP206 (2-5.5')	8/21/2020	12:00pm	Soil	EB	X	X	X	X						6
-07	TP207 (4-7')	8/21/2020	12:45pm	Soil	EB	X	X	X	X						6

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	E	A	A	A	A	A	A	A	
Preservative	F	A	A	A	A	A	A	A	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/25/20 2:00p	[signature]	8/25 1400
[signature]	8/25 1511	[signature]	8/26/20 01:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 8/26/20

ALPHA Job #: L2034750

Client Information
Client: Environmental Advantage Inc
Address: 3636 N. Buffalo Rd Orchard Park NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

Project Information
Project Name: RI August 2020
Project Location: 140 chandler st.
Project #: 06303
(Use Project name as Project #) ☐
Project Manager: Mark Hanna
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Continue sample delivery group which open on 8/21/2020
close sample delivery group. Additionally email results to michelewittmanger@gmail.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260 TCL	SVOC 8270 TCL	TAL Metals	T. PCBs	T. Pesticides	T. Herbicides	PFOAs	1,4 Dioxane	Sample Specific Comments	Total Bottle
34750-08	RB-201	8/21/2020	1:00pm	WA	EB	X	X	X	X	X	X	X	X		16
-09	TB-201	8/21/2020	1:05pm	WA	EB	X									2
-10	FB-201	8/21/2020	1:10pm	WA	EB							X			2

Container Type: V A P A A A P A
Preservative: B A C A A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Mary M Kustak	8/25/20 2:00		8/26 1400
	8/25 1511		8/26/20 0120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

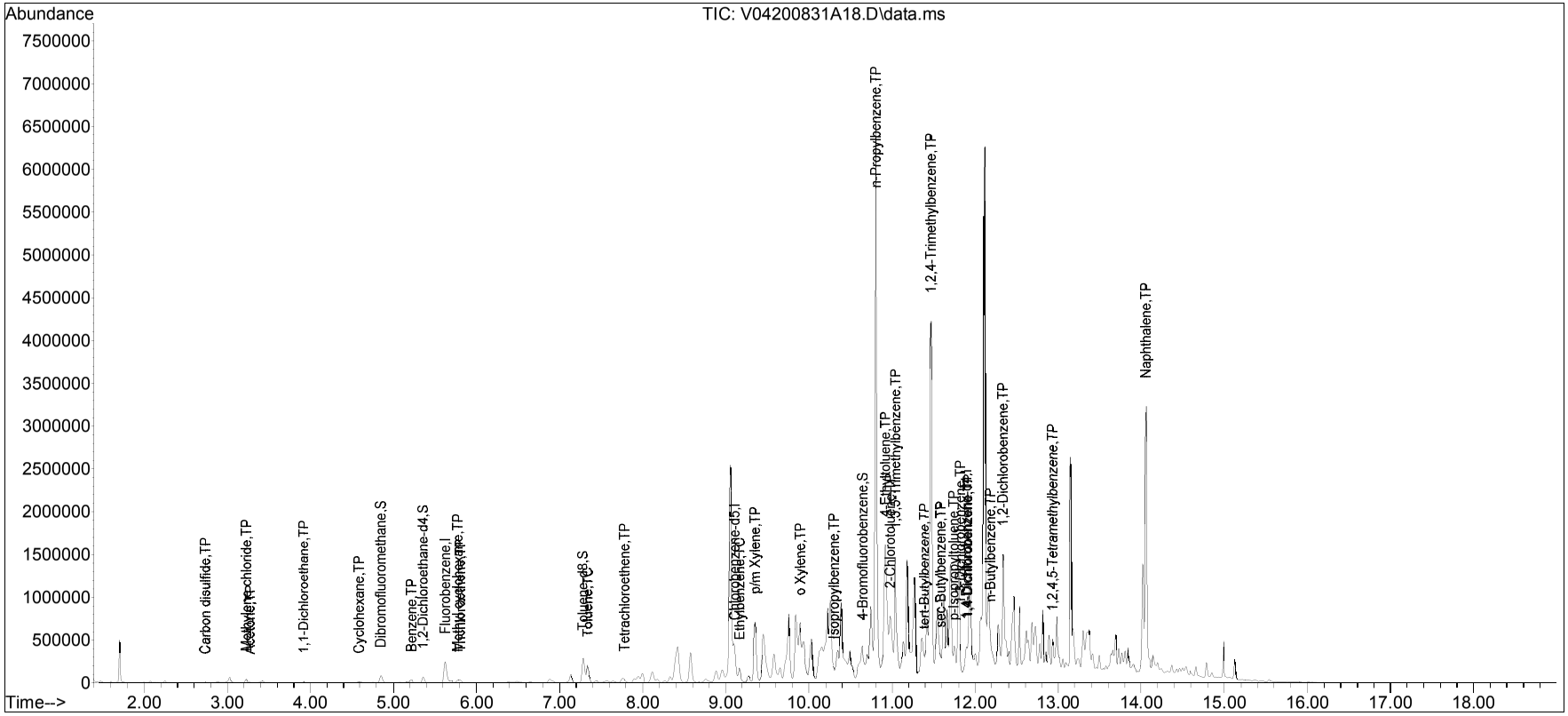
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200831A\
Data File : V04200831A18.D
Acq On : 31 Aug 2020 1:43 pm
Operator : VOA104:AD
Sample : l2034750-01,31,6.09,5,,b
Misc : WG1404737,ICAL16845
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 31 16:52:16 2020
Quant Method : I:\VOLATILES\VOA104\2020\200831A\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox1A\V04200831A01.D•

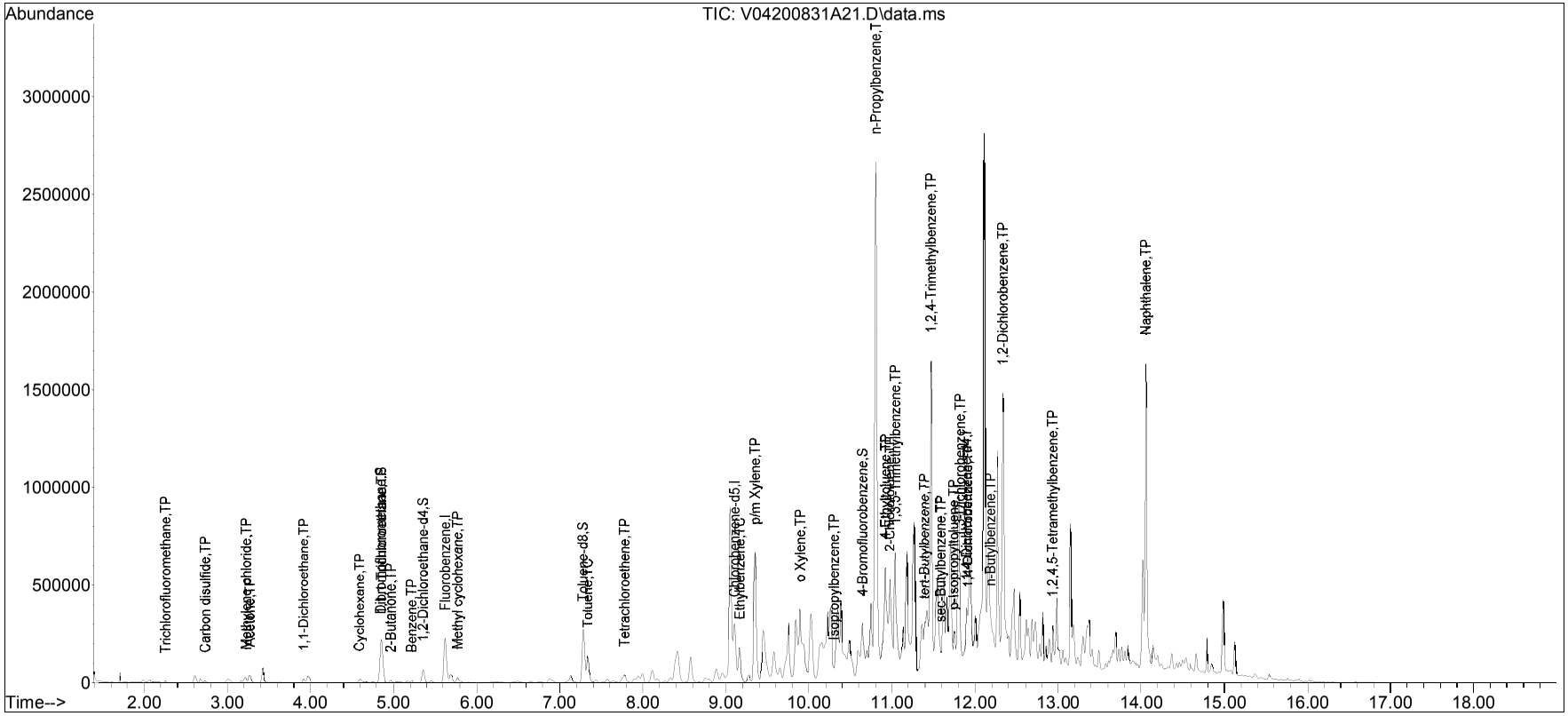


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200831A\
Data File : V04200831A21.D
Acq On : 31 Aug 2020 3:02 pm
Operator : VOA104:AD
Sample : l2034750-05,31,3.50,5,,b1
Misc : WG1404737,ICAL16845
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 31 16:54:20 2020
Quant Method : I:\VOLATILES\VOA104\2020\200831A\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox1A\V04200831A01.D•

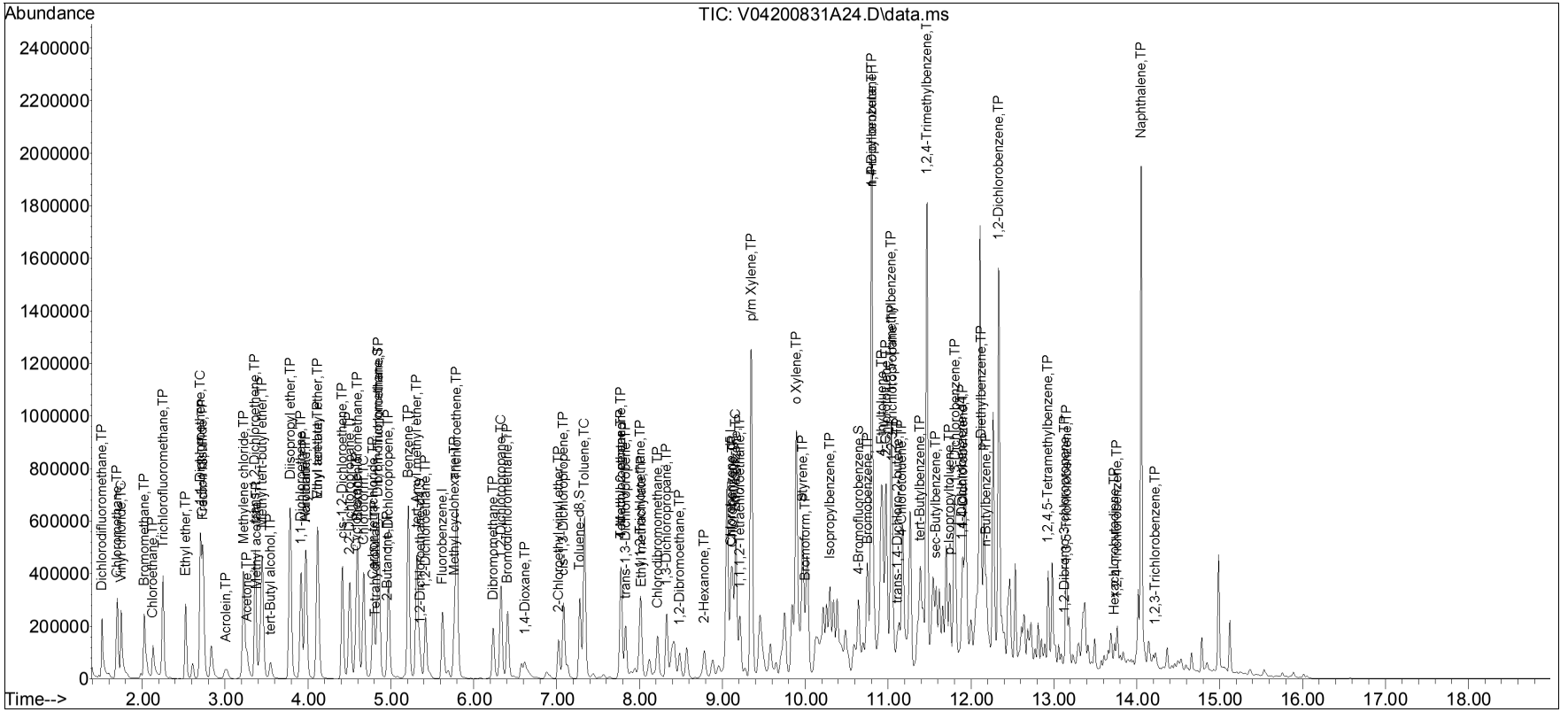


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200831A\
Data File : V04200831A24.D
Acq On : 31 Aug 2020 4:20 pm
Operator : VOA104:AD
Sample : WG1404737-6,31,5.80,5,,c1
Misc : WG1404737,ICAL16845
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 31 16:55:44 2020
Quant Method : I:\VOLATILES\VOA104\2020\200831A\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox1A\V04200831A01.D•

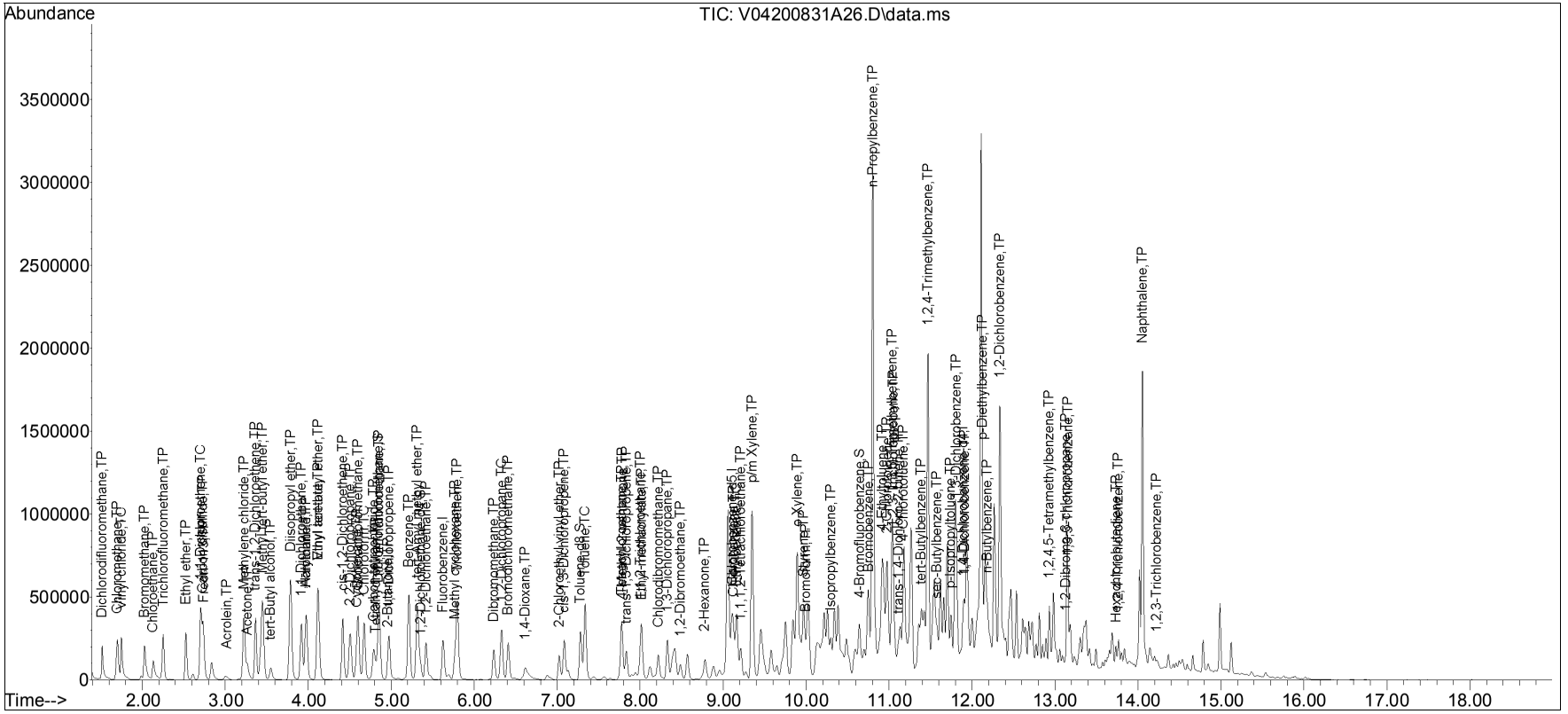


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200831A\
Data File : V04200831A26.D
Acq On : 31 Aug 2020 5:11 pm
Operator : VOA104:AD
Sample : WG1404737-7,31,3.26,5,,c
Misc : WG1404737,ICAL16845
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 31 19:04:00 2020
Quant Method : I:\VOLATILES\VOA104\2020\200831A\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox1A\V04200831A01.D•

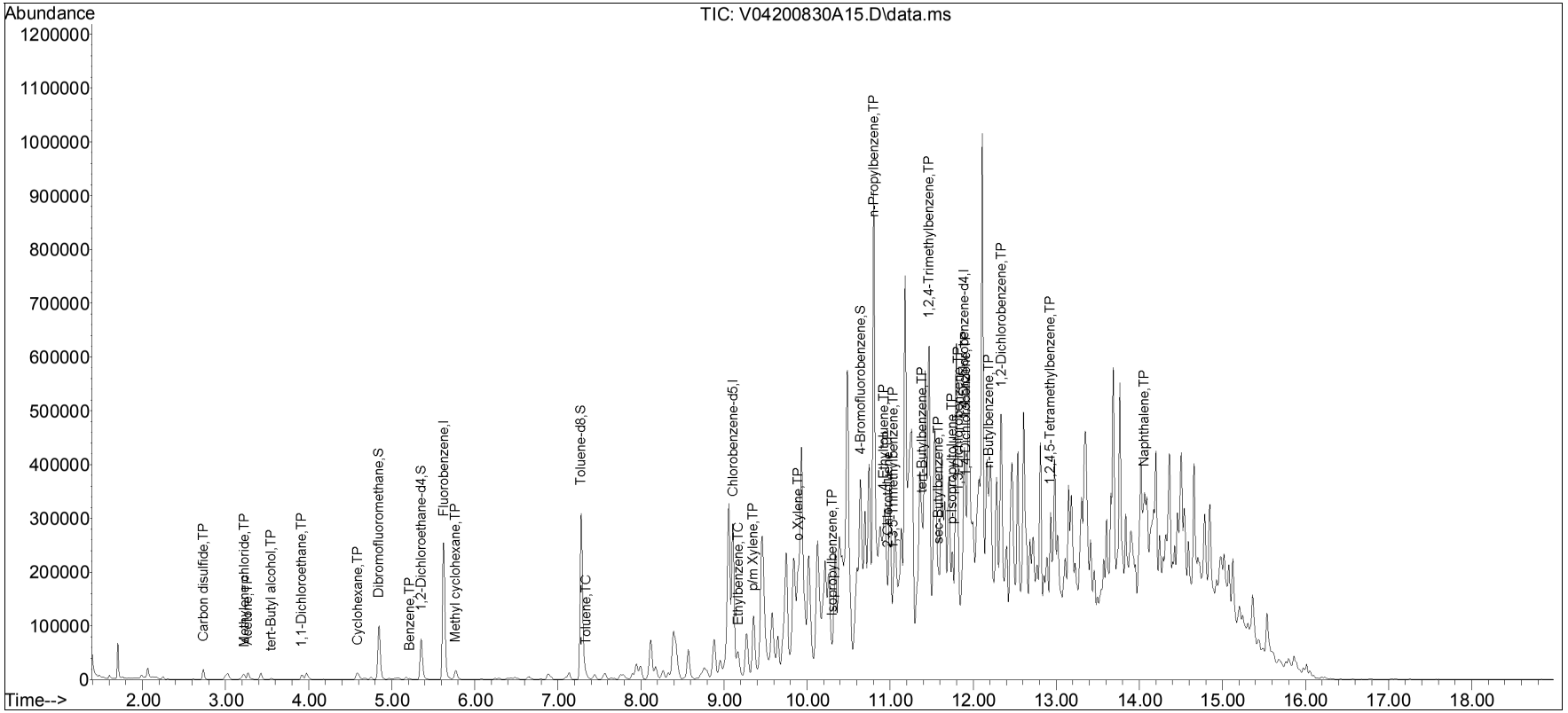


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2020\200830A\
Data File : V04200830A15.D
Acq On : 30 Aug 2020 6:32 pm
Operator : VOA104:JC
Sample : l2034750-06,31,6.72,5,,b
Misc : WG1404719,ICAL16845
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 31 06:50:55 2020
Quant Method : I:\VOLATILES\VOA104\2020\200830A\V104_200602B_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jun 02 13:53:50 2020
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V04200830A01.D•



ANALYTICAL REPORT

Lab Number:	L2043653
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	RI GW SAMPLING OCT. 2020
Project Number:	06303
Report Date:	10/26/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2043653-01	MW201(100920)	WATER	140 CHANDLER ST., BUFFALO, NY	10/09/20 13:40	10/12/20
L2043653-02	MW203(100920)	WATER	140 CHANDLER ST., BUFFALO, NY	10/09/20 11:55	10/12/20
L2043653-03	MW201(100920) DUPLICATE	WATER	140 CHANDLER ST., BUFFALO, NY	10/09/20 13:40	10/12/20
L2043653-04	MW201(101220)	WATER	140 CHANDLER ST., BUFFALO, NY	10/12/20 10:10	10/12/20
L2043653-05	MW201(101220) DUPLICATE	WATER	140 CHANDLER ST., BUFFALO, NY	10/12/20 10:10	10/12/20
L2043653-06	MW202(101220)	WATER	140 CHANDLER ST., BUFFALO, NY	10/12/20 11:30	10/12/20
L2043653-07	MW203(101220)	WATER	140 CHANDLER ST., BUFFALO, NY	10/12/20 12:57	10/12/20
L2043653-08	TB-201(101220)	WATER	140 CHANDLER ST., BUFFALO, NY	10/12/20 14:45	10/12/20
L2043653-09	FB-201(101220)	WATER	140 CHANDLER ST., BUFFALO, NY	10/12/20 14:50	10/12/20
L2043653-10	RB-201(101220)	WATER	140 CHANDLER ST., BUFFALO, NY	10/12/20 15:00	10/12/20

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

Case Narrative (continued)

Report Submission

October 26, 2020: This final report includes the results of all requested analyses.

October 20, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2043653-02: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

Volatile Organics

L2043653-01 and -03: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

Semivolatile Organics

The WG1421266-2/-3 LCS/LCSD recoveries, associated with L2043653-01, -02, -03, -06, and -10, are below the acceptance criteria for 4-chloroaniline (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG1421266-4/-5 MS/MSD recoveries, performed on L2043653-02, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%), hexachlorocyclopentadiene (MS 8%), 4-chloroaniline (MS 0%), 3-nitroaniline (MSD 9%), 4-nitroaniline (MS 0%), atrazine (MSD 0%) and caprolactam (MS 0%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.

Semivolatile Organics by SIM

L2043653-01 and -03: The sample has elevated detection limits due to the dilution required by the sample matrix.

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L2043653-04RE, -05RE, -07 and WG1424550-4/-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2043653-04RE and -05RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

L2043653-04RE and -05RE: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2043653-04RE and -05RE: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compounds that exceeded the calibration range.

L2043653-04RE and -05RE: The 6:2 FTS result is not reported because the quadratic fit of the curve does not allow for an estimated "E" flagged value. The sample was re-analyzed on dilution and the result within the calibration curve is reported for this compound.

L2043653-04RE/D, -05RE/D and -07RE: The results for PFOA/PFOS were obtained from the concentrations reported within the calibration.

L2043653-07: The sample was re-extracted on dilution within the method required holding time in order to quantify the results within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-extraction was performed only for the compounds that exceeded the calibration range.

The WG1424550-4/-5 MS/MSD recoveries, performed on L2043653-07, are outside the acceptance criteria for perfluorobutanoic acid (pfba) (276%/194%), perfluoropentanoic acid (pfpea) (1270%/810%), perfluorohexanoic acid (pfhxa) (501%/311%), perfluoroheptanoic acid (pfhpa) (282%/219%), perfluorohexanesulfonic acid (pfhxs) (285%/269%), perfluorooctanoic acid (pfoa) (MSD 189%), 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts) (0%/0%), perfluoroheptanesulfonic acid (pfhps) (MS 94%), perfluorooctanesulfonic acid (pfos) (MS 701%) and perfluorodecanesulfonic acid (pfds) (182%/176%).

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

Case Narrative (continued)

Pesticides

L2043653-01: The internal standard (IS) response for 1-bromo-2-nitrobenzene (381%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (22%) and decachlorobiphenyl (23%) due to interference with the Internal Standard.

L2043653-02: The internal standard (IS) response for 1-bromo-2-nitrobenzene (745%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (10%) and decachlorobiphenyl (10%) due to interference with the Internal Standard.

L2043653-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene (470%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (20%) and decachlorobiphenyl (21%) due to interference with the Internal Standard.

WG1421674-4: The internal standard (IS) response for 1-bromo-2-nitrobenzene (730%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (8%) and decachlorobiphenyl (9%) due to interference with the Internal Standard.

WG1421674-5: The internal standard (IS) response for 1-bromo-2-nitrobenzene (691%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (10%) and decachlorobiphenyl (12%) due to interference with the Internal Standard.

Total Metals

The WG1421504-3/-4 MS/MSD recoveries for aluminum (185%/235%), calcium (0%/0%), iron (820%/1020%), magnesium (0%/30%) and manganese (60%/68%), performed on L2043653-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1421504-3/-4 MS/MSD recoveries, performed on L2043653-02, are outside the acceptance criteria

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653
Project Number: 06303 **Report Date:** 10/26/20

Case Narrative (continued)

for antimony (0%/0%), arsenic (60%/60%), barium (72%/72%), cadmium (70%/69%), chromium (68%/69%), cobalt (66%/65%), copper (72%/74%), lead (63%/63%), nickel (64%/64%), selenium (51%/49%), silver (71%/71%), thallium (58%/58%), vanadium (61%/60%) and zinc (62%/60%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (66%), arsenic (67%), barium (67%), cadmium (64%), chromium (60%), cobalt (60%), copper (70%), lead (59%), nickel (58%), selenium (78%), silver (72%), thallium (60%), vanadium (64%) and zinc (56%). The serial dilution recoveries were not acceptable; therefore, thiese elements fail the matrix test and the results reported in the native sample should be considered estimated.

The WG1421504-3 MS recovery, performed on L2043653-02, is outside the acceptance criteria for beryllium (74%). A post digestion spike was performed and yielded an unacceptable recovery for beryllium (69%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

Dissolved Metals

The WG1423711-3/-4 MS/MSD recoveries for calcium (57%/51%), performed on L2043653-02, do not apply because the sample concentration is greater than four times the spike amount added.

The WG1423711-3/-4 MS/MSD recoveries, performed on L2043653-02, are outside the acceptance criteria for potassium (132%/132%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 10/26/20

ORGANICS

VOLATILES

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01 D
Client ID: MW201(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/20 14:47
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	20	J	ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	13	J	ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01 D
Client ID: MW201(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	28	J	ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02
Client ID: MW203(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 11:55
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/20 20:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	1.5	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	16		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.62		ug/l	0.50	0.16	1
Toluene	2.2	J	ug/l	2.5	0.70	1
Ethylbenzene	0.83	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	5.8		ug/l	2.5	0.70	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02 Date Collected: 10/09/20 11:55

Client ID: MW203(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	3.1		ug/l	2.5	0.70	1
o-Xylene	2.5		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	20		ug/l	5.0	1.5	1
Carbon disulfide	19		ug/l	5.0	1.0	1
2-Butanone	3.0	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	1.6	J	ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03 D
Client ID: MW201(100920) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/20 15:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	23	J	ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	15	J	ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03 D
Client ID: MW201(100920) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	23	J	ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-06 Date Collected: 10/12/20 11:30
Client ID: MW202(101220) Date Received: 10/12/20
Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/20 20:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-06 Date Collected: 10/12/20 11:30

Client ID: MW202(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	14		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-08
Client ID: TB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 14:45
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/20 15:20
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-08 Date Collected: 10/12/20 14:45

Client ID: TB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	92		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/14/20 14:57
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10 Date Collected: 10/12/20 15:00

Client ID: RB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/20 09:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1422193-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/20 09:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1422193-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/20 09:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10 Batch: WG1422193-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	90		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/20 10:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1422590-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/20 10:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1422590-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/20 10:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1422590-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/20 15:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,06 Batch: WG1422689-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/20 15:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,06 Batch: WG1422689-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/14/20 15:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,06 Batch: WG1422689-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1422193-3 WG1422193-4								
Methylene chloride	89		90		70-130	1		20
1,1-Dichloroethane	92		92		70-130	0		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	94		95		63-132	1		20
1,2-Dichloropropane	91		91		70-130	0		20
Dibromochloromethane	95		96		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	99		98		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	90		93		70-130	3		20
1,1,1-Trichloroethane	93		93		67-130	0		20
Bromodichloromethane	96		97		67-130	1		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	94		94		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	92		92		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	66		66		64-130	0		20
Bromomethane	55		62		39-139	12		20
Vinyl chloride	94		94		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1422193-3 WG1422193-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	90		89		61-145	1		20
trans-1,2-Dichloroethene	90		91		70-130	1		20
Trichloroethene	95		94		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	90		92		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	93		93		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	110		99		58-148	11		20
Carbon disulfide	100		97		51-130	3		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	98		99		59-130	1		20
2-Hexanone	95		96		57-130	1		20
Bromochloromethane	91		93		70-130	2		20
1,2-Dibromoethane	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	85		91		41-144	7		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	86		92		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10 Batch: WG1422193-3 WG1422193-4								
1,2,4-Trichlorobenzene	94		96		70-130	2		20
Methyl Acetate	81		82		70-130	1		20
Cyclohexane	98		96		70-130	2		20
1,4-Dioxane	100		90		56-162	11		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	95		93		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	111		110		70-130
Dibromofluoromethane	91		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1422590-3 WG1422590-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	90		95		63-130	5		20
1,1,2-Trichloroethane	87		92		70-130	6		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	97		99		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	86		92		54-136	7		20
1,1,2,2-Tetrachloroethane	82		85		67-130	4		20
Benzene	100		110		70-130	10		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	97		110		64-130	13		20
Bromomethane	50		64		39-139	**25**	Q	20
Vinyl chloride	97		100		55-140	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1422590-3 WG1422590-4								
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	96		100		61-145	4		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	99		110		70-130	11		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	94		96		63-130	2		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	100		110		70-130	10		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	100		110		70-130	10		20
Dichlorodifluoromethane	90		98		36-147	9		20
Acetone	97		96		58-148	1		20
Carbon disulfide	96		100		51-130	4		20
2-Butanone	85		96		63-138	12		20
4-Methyl-2-pentanone	76		75		59-130	1		20
2-Hexanone	82		81		57-130	1		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	88		91		70-130	3		20
1,2-Dibromo-3-chloropropane	71		73		41-144	3		20
Isopropylbenzene	98		110		70-130	12		20
1,2,3-Trichlorobenzene	88		98		70-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1422590-3 WG1422590-4								
1,2,4-Trichlorobenzene	98		100		70-130	2		20
Methyl Acetate	90		87		70-130	3		20
Cyclohexane	100		110		70-130	10		20
1,4-Dioxane	84		94		56-162	11		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	93		100		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		91		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,06 Batch: WG1422689-3 WG1422689-4								
Methylene chloride	82		83		70-130	1		20
1,1-Dichloroethane	82		82		70-130	0		20
Chloroform	90		88		70-130	2		20
Carbon tetrachloride	93		92		63-132	1		20
1,2-Dichloropropane	91		91		70-130	0		20
Dibromochloromethane	98		98		63-130	0		20
1,1,2-Trichloroethane	92		93		70-130	1		20
Tetrachloroethene	**69**	Q	**69**	Q	70-130	0		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	100		97		62-150	3		20
1,2-Dichloroethane	90		91		70-130	1		20
1,1,1-Trichloroethane	94		92		67-130	2		20
Bromodichloromethane	88		90		67-130	2		20
trans-1,3-Dichloropropene	89		88		70-130	1		20
cis-1,3-Dichloropropene	88		88		70-130	0		20
Bromoform	91		89		54-136	2		20
1,1,2,2-Tetrachloroethane	100		99		67-130	1		20
Benzene	89		89		70-130	0		20
Toluene	93		90		70-130	3		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	81		80		64-130	1		20
Bromomethane	120		110		39-139	9		20
Vinyl chloride	90		87		55-140	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,06 Batch: WG1422689-3 WG1422689-4								
Chloroethane	97		99		55-138	2		20
1,1-Dichloroethene	88		86		61-145	2		20
trans-1,2-Dichloroethene	90		91		70-130	1		20
Trichloroethene	88		88		70-130	0		20
1,2-Dichlorobenzene	96		94		70-130	2		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	94		92		70-130	2		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	86		85		70-130	1		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	75		76		36-147	1		20
Acetone	110		100		58-148	10		20
Carbon disulfide	**140**	Q	**140**	Q	51-130	0		20
2-Butanone	82		94		63-138	14		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	92		94		70-130	2		20
1,2-Dibromoethane	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	93		92		41-144	1		20
Isopropylbenzene	96		93		70-130	3		20
1,2,3-Trichlorobenzene	87		88		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,06 Batch: WG1422689-3 WG1422689-4								
1,2,4-Trichlorobenzene	92		90		70-130	2		20
Methyl Acetate	95		100		70-130	5		20
Cyclohexane	110		100		70-130	10		20
1,4-Dioxane	90		92		56-162	2		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		111		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab MW203(100920)	Associated sample(s): 02,06		QC Batch ID: WG1422689-6			WG1422689-7			QC Sample: L2043653-02			Client ID:
Methylene chloride	1.5J	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	16	10	28	120		26	100		70-130	7		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		12	120		63-132	9		20
1,2-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	7.4	74		7.6	76		70-130	3		20
Chlorobenzene	ND	10	10	100		11	110		75-130	10		20
Trichlorofluoromethane	ND	10	14	140		14	140		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
1,1,1-Trichloroethane	ND	10	11	110		12	120		67-130	9		20
Bromodichloromethane	ND	10	10	100		11	110		67-130	10		20
trans-1,3-Dichloropropene	ND	10	9.5	95		9.8	98		70-130	3		20
cis-1,3-Dichloropropene	ND	10	9.2	92		9.6	96		70-130	4		20
Bromoform	ND	10	8.7	87		9.4	94		54-136	8		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		11	110		67-130	10		20
Benzene	0.62	10	11	104		12	114		70-130	9		20
Toluene	2.2J	10	13	130		13	130		70-130	0		20
Ethylbenzene	0.83J	10	12	120		12	120		70-130	0		20
Chloromethane	ND	10	11	110		13	130		64-130	17		20
Bromomethane	ND	10	12	120		12	120		39-139	0		20
Vinyl chloride	ND	10	12	120		12	120		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab MW203(100920)	Associated sample(s): 02,06		QC Batch ID: WG1422689-6			WG1422689-7			QC Sample: L2043653-02			Client ID:
Chloroethane	ND	10	15	**150**	Q	15	**150**	Q	55-138	0		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	11	110		11	110		70-130	0		20
1,2-Dichlorobenzene	5.8	10	17	112		17	112		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl tert butyl ether	ND	10	9.7	97		10	100		63-130	3		20
p/m-Xylene	3.1	20	25	110		25	110		70-130	0		20
o-Xylene	2.5	20	24	108		25	113		70-130	4		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Styrene	ND	20	21	105		22	110		70-130	5		20
Dichlorodifluoromethane	ND	10	12	120		12	120		36-147	0		20
Acetone	20	10	29	90		27	70		58-148	7		20
Carbon disulfide	19	10	33	**140**	Q	32	130		51-130	3		20
2-Butanone	3.0J	10	11	110		13	130		63-138	17		20
4-Methyl-2-pentanone	1.6J	10	12	120		12	120		59-130	0		20
2-Hexanone	ND	10	12	120		12	120		57-130	0		20
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	10	100		11	110		41-144	10		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.7	97		10	100		70-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by GC/MS - Westborough Lab MW203(100920)	Associated sample(s): 02,06					QC Batch ID: WG1422689-6			WG1422689-7 QC Sample: L2043653-02			Client ID:
1,2,4-Trichlorobenzene	ND	10	9.5	95		9.6	96		70-130	1		20
Methyl Acetate	ND	10	9.4	94		9.2	92		70-130	2		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
1,4-Dioxane	ND	500	400	80		430	86		56-162	7		20
Freon-113	ND	10	12	120		12	120		70-130	0		20
Methyl cyclohexane	ND	10	11	110		10	100		70-130	10		20

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1,2-Dichloroethane-d4	101		98		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	105		102		70-130
Toluene-d8	99		99		70-130

SEMIVOLATILES

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01
Client ID: MW201(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/14/20 10:38
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	1.4	J	ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	1.2	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	1.1	J	ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01 Date Collected: 10/09/20 13:40

Client ID: MW201(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	4.6	J	ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	5.2		ug/l	5.0	0.57	1
2-Methylphenol	1.2	J	ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	11.		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	5.7		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	84		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01 D
Client ID: MW201(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/20 11:58
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.3		ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	0.46	J	ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	18		ug/l	0.50	0.24	5
Benzo(a)anthracene	ND		ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	0.26	J	ug/l	0.50	0.06	5
Anthracene	0.63		ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	1.6		ug/l	0.50	0.07	5
Phenanthrene	2.7		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	0.26	J	ug/l	0.50	0.10	5
2-Methylnaphthalene	2.3		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01 D
Client ID: MW201(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	100		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02
Client ID: MW203(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 11:55
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/14/20 11:01
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	0.48	J	ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	0.89	J	ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02 Date Collected: 10/09/20 11:55

Client ID: MW203(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	9.6		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	35.		ug/l	5.0	0.57	1
2-Methylphenol	1.8	J	ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	27.		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	2.5		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	52		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02
Client ID: MW203(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 11:55
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/14/20 18:06
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.0		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	4.7		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	8.7		ug/l	0.10	0.05	1
Benzo(a)anthracene	1.7		ug/l	0.10	0.02	1
Benzo(a)pyrene	1.5		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	2.0		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.72		ug/l	0.10	0.01	1
Chrysene	1.4		ug/l	0.10	0.01	1
Acenaphthylene	0.30		ug/l	0.10	0.01	1
Anthracene	1.5		ug/l	0.10	0.01	1
Benzo(ghi)perylene	1.0		ug/l	0.10	0.01	1
Fluorene	1.5		ug/l	0.10	0.01	1
Phenanthrene	5.1		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.27		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	1.1		ug/l	0.10	0.01	1
Pyrene	3.7		ug/l	0.10	0.02	1
2-Methylnaphthalene	1.6		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02 Date Collected: 10/09/20 11:55

Client ID: MW203(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	65		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03
Client ID: MW201(100920) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/14/20 11:24
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	1.2	J	ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	0.97	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	1.0	J	ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03 Date Collected: 10/09/20 13:40

Client ID: MW201(100920) DUPLICATE Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	4.9	J	ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	4.9	J	ug/l	5.0	0.57	1
2-Methylphenol	1.1	J	ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	10.		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	5.4		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	74		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03 D
Client ID: MW201(100920) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/20 12:19
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.5		ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	0.50		ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	20		ug/l	0.50	0.24	5
Benzo(a)anthracene	ND		ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	0.29	J	ug/l	0.50	0.06	5
Anthracene	0.74		ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	1.8		ug/l	0.50	0.07	5
Phenanthrene	3.0		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	0.28	J	ug/l	0.50	0.10	5
2-Methylnaphthalene	2.7		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03 D
Client ID: MW201(100920) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	113		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-04 RE\D
Client ID: MW201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/25/20 22:31
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/23/20 16:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	16800		ng/l	100	66.6	5
Perfluorooctanesulfonic Acid (PFOS)	6520	F	ng/l	100	25.2	5
PFOA/PFOS, Total	6910		ng/l	20.0	2.36	5

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	110		1-244
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		42-146

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-04 RE
Client ID: MW201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/24/20 18:39
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/23/20 16:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	608		ng/l	20.0	4.08	1
Perfluoropentanoic Acid (PFPeA)	2980		ng/l	20.0	3.96	1
Perfluorobutanesulfonic Acid (PFBS)	287		ng/l	20.0	2.38	1
Perfluorohexanoic Acid (PFHxA)	1640		ng/l	20.0	3.28	1
Perfluoroheptanoic Acid (PFHpA)	489		ng/l	20.0	2.25	1
Perfluorohexanesulfonic Acid (PFHxS)	1970		ng/l	20.0	3.76	1
Perfluorooctanoic Acid (PFOA)	389		ng/l	20.0	2.36	1
Perfluoroheptanesulfonic Acid (PFHpS)	180		ng/l	20.0	6.88	1
Perfluorononanoic Acid (PFNA)	50.6		ng/l	20.0	3.12	1
Perfluorooctanesulfonic Acid (PFOS)	6980	EF	ng/l	20.0	5.04	1
Perfluorodecanoic Acid (PFDA)	9.20	J	ng/l	20.0	3.04	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	417		ng/l	20.0	12.1	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	20.0	6.48	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	20.0	2.60	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	20.0	9.80	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	20.0	5.80	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	14.1	J	ng/l	20.0	8.04	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	20.0	3.72	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	20.0	3.27	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	20.0	2.48	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-04 RE
Client ID: MW201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	128		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	129		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**372**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**172**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		33-143

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-04 D
Client ID: MW201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/19/20 21:51
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	751000		ng/l	600	136.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	37		15-110

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-05 RE\D
Client ID: MW201(101220) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/25/20 22:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/23/20 16:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	17500		ng/l	100	66.6	5
Perfluorooctanesulfonic Acid (PFOS)	6780	F	ng/l	100	25.2	5
PFOA/PFOS, Total	7170		ng/l	20.0	2.36	5

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		1-244
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		42-146

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-05 RE
Client ID: MW201(101220) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/24/20 18:55
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/23/20 16:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	605		ng/l	20.0	4.08	1
Perfluoropentanoic Acid (PFPeA)	2950		ng/l	20.0	3.96	1
Perfluorobutanesulfonic Acid (PFBS)	285		ng/l	20.0	2.38	1
Perfluorohexanoic Acid (PFHxA)	1620		ng/l	20.0	3.28	1
Perfluoroheptanoic Acid (PFHpA)	486		ng/l	20.0	2.25	1
Perfluorohexanesulfonic Acid (PFHxS)	1930		ng/l	20.0	3.76	1
Perfluorooctanoic Acid (PFOA)	390		ng/l	20.0	2.36	1
Perfluoroheptanesulfonic Acid (PFHpS)	174		ng/l	20.0	6.88	1
Perfluorononanoic Acid (PFNA)	48.4		ng/l	20.0	3.12	1
Perfluorooctanesulfonic Acid (PFOS)	7010	EF	ng/l	20.0	5.04	1
Perfluorodecanoic Acid (PFDA)	8.48	J	ng/l	20.0	3.04	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	364	F	ng/l	20.0	12.1	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	20.0	6.48	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	20.0	2.60	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	20.0	9.80	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	20.0	5.80	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	20.0	8.04	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	20.0	3.72	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	20.0	3.27	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	20.0	2.48	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-05 RE
Client ID: MW201(101220) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	125		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**357**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**182**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		33-143

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-05 D
Client ID: MW201(101220) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/19/20 22:14
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	756000		ng/l	600	136.	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	36		15-110

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-06
Client ID: MW202(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 11:30
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/14/20 17:55
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 19:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	0.40	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-06 Date Collected: 10/12/20 11:30

Client ID: MW202(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	97		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	100		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-06
Client ID: MW202(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 11:30
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/14/20 19:04
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 19:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.09	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.08	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.23		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.28		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.06	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-06 Date Collected: 10/12/20 11:30

Client ID: MW202(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	103		15-120
2,4,6-Tribromophenol	**144**	Q	10-120
4-Terphenyl-d14	125		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-07
Client ID: MW203(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 12:57
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/19/20 12:46
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	1420		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	36		15-110

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-07
Client ID: MW203(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 12:57
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/23/20 06:57
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 10/21/20 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	225		ng/l	1.84	0.376	1
Perfluoropentanoic Acid (PFPeA)	1420	E	ng/l	1.84	0.365	1
Perfluorobutanesulfonic Acid (PFBS)	35.3		ng/l	1.84	0.220	1
Perfluorohexanoic Acid (PFHxA)	563		ng/l	1.84	0.302	1
Perfluoroheptanoic Acid (PFHpA)	247		ng/l	1.84	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	399		ng/l	1.84	0.347	1
Perfluorooctanoic Acid (PFOA)	166		ng/l	1.84	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	57.0		ng/l	1.84	0.635	1
Perfluorononanoic Acid (PFNA)	22.5		ng/l	1.84	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	2820	FE	ng/l	1.84	0.465	1
Perfluorodecanoic Acid (PFDA)	13.0		ng/l	1.84	0.280	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	432	F	ng/l	1.84	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.598	1
Perfluoroundecanoic Acid (PFUnA)	0.915	J	ng/l	1.84	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.904	1
Perfluorooctanesulfonamide (FOSA)	2.88	F	ng/l	1.84	0.535	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.11	F	ng/l	1.84	0.742	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.343	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.229	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-07 Date Collected: 10/12/20 12:57

Client ID: MW203(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	62		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	146		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	48		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	137		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**934**	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	43		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**427**	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	54		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		33-143

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-07 RE
Client ID: MW203(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 12:57
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/24/20 19:12
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/23/20 16:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluoropentanoic Acid (PFPeA)	1610		ng/l	20.0	3.96	1
Perfluorooctanesulfonic Acid (PFOS)	4450	F	ng/l	20.0	5.04	1
PFOA/PFOS, Total	4620		ng/l	20.0	5.04	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		42-146

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-09
Client ID: FB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 14:50
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/23/20 07:47
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 10/21/20 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	0.618	J	ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	0.515	J	ng/l	1.84	0.301	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.84	0.346	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.632	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.279	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.596	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.901	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.739	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	ND		ng/l	1.84	0.217	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-09 Date Collected: 10/12/20 14:50

Client ID: FB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	56		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	58		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		33-143

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/14/20 11:47
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10 Date Collected: 10/12/20 15:00

Client ID: RB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	74		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/14/20 18:45
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 15:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10 Date Collected: 10/12/20 15:00

Client ID: RB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	89		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/19/20 14:15
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/23/20 08:03
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 10/21/20 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.87	0.382	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.87	0.371	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.87	0.223	1
Perfluorohexanoic Acid (PFHxA)	0.446	JF	ng/l	1.87	0.307	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.87	0.211	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.87	0.352	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.87	0.221	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.87	1.25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.87	0.644	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.87	0.292	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.87	0.472	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.87	0.285	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.87	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.87	0.607	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.87	0.243	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.87	0.918	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.87	0.543	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.87	0.753	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.87	0.348	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.87	0.306	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.87	0.232	1
PFOA/PFOS, Total	ND		ng/l	1.87	0.221	1

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10 Date Collected: 10/12/20 15:00

Client ID: RB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		33-143

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/13/20 10:08
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/12/20 23:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,10 Batch: WG1421266-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/13/20 10:08
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/12/20 23:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,10 Batch: WG1421266-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	108		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/13/20 14:41
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 10/12/20 23:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,06,10 Batch: WG1421267-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/13/20 14:41
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 10/12/20 23:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,06,10 Batch: WG1421267-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	114		15-120
2,4,6-Tribromophenol	**127**	Q	10-120
4-Terphenyl-d14	119		41-149

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/19/20 10:56
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 08:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 04-05,07,10 Batch: WG1422836-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/23/20 04:28
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 10/21/20 10:20

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07,09-10 Batch: WG1424550-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.416	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/23/20 04:28
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 10/21/20 10:20

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07,09-10 Batch: WG1424550-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	59		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		33-143

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/24/20 14:47
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/23/20 13:41

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07 Batch: WG1425645-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.408	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 10/24/20 14:47
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 10/23/20 13:41

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07 Batch: WG1425645-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	128		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	55		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,10 Batch: WG1421266-2 WG1421266-3								
Bis(2-chloroethyl)ether	70		76		40-140	8		30
3,3'-Dichlorobenzidine	78		82		40-140	5		30
2,4-Dinitrotoluene	96		96		48-143	0		30
2,6-Dinitrotoluene	91		101		40-140	10		30
4-Chlorophenyl phenyl ether	89		91		40-140	2		30
4-Bromophenyl phenyl ether	102		109		40-140	7		30
Bis(2-chloroisopropyl)ether	75		75		40-140	0		30
Bis(2-chloroethoxy)methane	73		79		40-140	8		30
Hexachlorocyclopentadiene	89		97		40-140	9		30
Isophorone	70		76		40-140	8		30
Nitrobenzene	81		86		40-140	6		30
NDPA/DPA	85		89		40-140	5		30
n-Nitrosodi-n-propylamine	78		78		29-132	0		30
Bis(2-ethylhexyl)phthalate	80		82		40-140	2		30
Butyl benzyl phthalate	100		102		40-140	2		30
Di-n-butylphthalate	88		92		40-140	4		30
Di-n-octylphthalate	76		75		40-140	1		30
Diethyl phthalate	88		89		40-140	1		30
Dimethyl phthalate	78		85		40-140	9		30
Biphenyl	74		82		40-140	10		30
4-Chloroaniline	**0**	Q	**0**	Q	40-140	NC		30
2-Nitroaniline	92		103		52-143	11		30
3-Nitroaniline	35		42		25-145	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,10 Batch: WG1421266-2 WG1421266-3								
4-Nitroaniline	78		80		51-143	3		30
Dibenzofuran	82		87		40-140	6		30
1,2,4,5-Tetrachlorobenzene	101		104		2-134	3		30
Acetophenone	74		77		39-129	4		30
2,4,6-Trichlorophenol	99		111		30-130	11		30
p-Chloro-m-cresol	85		94		23-97	10		30
2-Chlorophenol	76		86		27-123	12		30
2,4-Dichlorophenol	83		94		30-130	12		30
2,4-Dimethylphenol	73		81		30-130	10		30
2-Nitrophenol	96		102		30-130	6		30
4-Nitrophenol	**88**	Q	**93**	Q	10-80	6		30
2,4-Dinitrophenol	106		97		20-130	9		30
4,6-Dinitro-o-cresol	117		119		20-164	2		30
Phenol	53		57		12-110	7		30
2-Methylphenol	75		81		30-130	8		30
3-Methylphenol/4-Methylphenol	73		79		30-130	8		30
2,4,5-Trichlorophenol	100		109		30-130	9		30
Carbazole	87		91		55-144	4		30
Atrazine	116		124		40-140	7		30
Benzaldehyde	72		75		40-140	4		30
Caprolactam	42		52		10-130	21		30
2,3,4,6-Tetrachlorophenol	122		128		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,10 Batch: WG1421266-2 WG1421266-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		77		21-120
Phenol-d6	59		64		10-120
Nitrobenzene-d5	87		96		23-120
2-Fluorobiphenyl	87		91		15-120
2,4,6-Tribromophenol	**133**	Q	**132**	Q	10-120
4-Terphenyl-d14	101		103		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,06,10 Batch: WG1421267-2 WG1421267-3								
Acenaphthene	98		92		40-140	6		40
2-Chloronaphthalene	103		97		40-140	6		40
Fluoranthene	117		112		40-140	4		40
Hexachlorobutadiene	93		88		40-140	6		40
Naphthalene	92		86		40-140	7		40
Benzo(a)anthracene	116		110		40-140	5		40
Benzo(a)pyrene	131		126		40-140	4		40
Benzo(b)fluoranthene	112		109		40-140	3		40
Benzo(k)fluoranthene	124		118		40-140	5		40
Chrysene	112		110		40-140	2		40
Acenaphthylene	117		110		40-140	6		40
Anthracene	115		110		40-140	4		40
Benzo(ghi)perylene	128		124		40-140	3		40
Fluorene	106		101		40-140	5		40
Phenanthrene	101		97		40-140	4		40
Dibenzo(a,h)anthracene	**141**	Q	136		40-140	4		40
Indeno(1,2,3-cd)pyrene	138		132		40-140	4		40
Pyrene	116		111		40-140	4		40
2-Methylnaphthalene	102		95		40-140	7		40
Pentachlorophenol	**161**	Q	**150**	Q	40-140	7		40
Hexachlorobenzene	101		98		40-140	3		40
Hexachloroethane	89		83		40-140	7		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,06,10 Batch: WG1421267-2 WG1421267-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		69		21-120
Phenol-d6	63		57		10-120
Nitrobenzene-d5	114		115		23-120
2-Fluorobiphenyl	110		103		15-120
2,4,6-Tribromophenol	**128**	Q	**125**	Q	10-120
4-Terphenyl-d14	122		117		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab	Associated sample(s): 04-05,07,10		Batch: WG1422836-2		WG1422836-3			
1,4-Dioxane	91		93		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	39		42		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07,09-10 Batch: WG1424550-2 WG1424550-3								
Perfluorobutanoic Acid (PFBA)	104		105		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	108		107		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	109		107		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	107		109		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	105		104		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	108		106		69-177	2		30
Perfluorooctanoic Acid (PFOA)	104		104		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	119		119		49-187	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		104		61-179	0		30
Perfluorononanoic Acid (PFNA)	108		108		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	111		110		52-151	1		30
Perfluorodecanoic Acid (PFDA)	103		104		63-171	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	117		113		56-173	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	103		118		60-166	14		30
Perfluoroundecanoic Acid (PFUnA)	110		107		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	112		116		38-156	4		30
Perfluorooctanesulfonamide (FOSA)	98		106		46-170	8		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	111		108		45-170	3		30
Perfluorododecanoic Acid (PFDoA)	110		111		67-153	1		30
Perfluorotridecanoic Acid (PFTrDA)	109		106		48-158	3		30
Perfluorotetradecanoic Acid (PFTA)	107		104		59-182	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07,09-10 Batch: WG1424550-2 WG1424550-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	111		108		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		92		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		87		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		91		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		96		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		62		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		89		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		94		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	69		74		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		58		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		86		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51		48		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		64		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		75		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		62		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07 Batch: WG1425645-2 WG1425645-3								
Perfluorobutanoic Acid (PFBA)	104		105		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	103		103		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	97		99		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	104		106		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	104		104		58-159	0		30
Perfluorohexanesulfonic Acid (PFHxS)	106		101		69-177	5		30
Perfluorooctanoic Acid (PFOA)	104		104		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	125		116		49-187	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		103		61-179	4		30
Perfluorononanoic Acid (PFNA)	104		102		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	110		108		52-151	2		30
Perfluorodecanoic Acid (PFDA)	100		101		63-171	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	116		122		56-173	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		121		60-166	13		30
Perfluoroundecanoic Acid (PFUnA)	107		104		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	117		117		38-156	0		30
Perfluorooctanesulfonamide (FOSA)	100		104		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	110		111		45-170	1		30
Perfluorododecanoic Acid (PFDoA)	105		110		67-153	5		30
Perfluorotridecanoic Acid (PFTrDA)	105		110		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	106		101		59-182	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020

Project Number: 06303

Lab Number: L2043653

Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07 Batch: WG1425645-2 WG1425645-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		105		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		127		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		108		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		103		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		105		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		115		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		104		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		79		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		110		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		112		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		105		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		86		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		69		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		58		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		87		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		97		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		84		33-143

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,10 QC Batch ID: WG1421266-4 WG1421266-5 QC Sample: L2043653-02 Client ID: MW203(100920)												
Bis(2-chloroethyl)ether	ND	18.2	9.4	52		7.7	42		40-140	20		30
3,3'-Dichlorobenzidine	ND	18.2	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	18.2	13	72		9.9	54		48-143	27		30
2,6-Dinitrotoluene	ND	18.2	12	66		10	55		40-140	18		30
4-Chlorophenyl phenyl ether	ND	18.2	10	55		8.4	46		40-140	17		30
4-Bromophenyl phenyl ether	ND	18.2	12	66		9.6	53		40-140	22		30
Bis(2-chloroisopropyl)ether	ND	18.2	9.8	54		7.8	43		40-140	23		30
Bis(2-chloroethoxy)methane	ND	18.2	9.8	54		8.6	47		40-140	13		30
Hexachlorocyclopentadiene	ND	18.2	1.4J	**8**	Q	3.8J	**21**	Q	40-140	**92**	Q	30
Isophorone	ND	18.2	9.8	54		8.6	47		40-140	13		30
Nitrobenzene	ND	18.2	10	55		8.7	48		40-140	14		30
NDPA/DPA	0.48J	18.2	10	55		8.4	46		40-140	17		30
n-Nitrosodi-n-propylamine	ND	18.2	9.8	54		8.6	47		29-132	13		30
Bis(2-ethylhexyl)phthalate	2.0J	18.2	11	61		7.3	40		40-140	**40**	Q	30
Butyl benzyl phthalate	ND	18.2	16	88		13	72		40-140	21		30
Di-n-butylphthalate	ND	18.2	11	61		9.8	54		40-140	12		30
Di-n-octylphthalate	ND	18.2	11	61		7.0	**39**	Q	40-140	**44**	Q	30
Diethyl phthalate	ND	18.2	10	55		8.2	45		40-140	20		30
Dimethyl phthalate	ND	18.2	10	55		8.4	46		40-140	17		30
Biphenyl	ND	18.2	9.6	53		7.9	43		40-140	19		30
4-Chloroaniline	ND	18.2	ND	**0**	Q	1.8J	**10**	Q	40-140	NC		30
2-Nitroaniline	ND	18.2	13	72		12	66		52-143	8		30
3-Nitroaniline	ND	18.2	2.3J	**13**	Q	1.7J	**9**	Q	25-145	30		30

Matrix Spike Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Client ID: MW203(100920)	Associated sample(s): 01-03,06,10			QC Batch ID: WG1421266-4		WG1421266-5	QC Sample: L2043653-02					
4-Nitroaniline	ND	18.2	ND	**0**	Q	2.5J	**14**	Q	51-143	NC		30
Dibenzofuran	0.89J	18.2	9.9	54		8.4	46		40-140	16		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	12	66		10	55		2-134	18		30
Acetophenone	ND	18.2	9.8	54		7.9	43		39-129	21		30
2,4,6-Trichlorophenol	ND	18.2	13	72		12	66		30-130	8		30
p-Chloro-m-cresol	ND	18.2	15	83		13	72		23-97	14		30
2-Chlorophenol	ND	18.2	10	55		8.9	49		27-123	12		30
2,4-Dichlorophenol	ND	18.2	12	66		10	55		30-130	18		30
2,4-Dimethylphenol	9.6	18.2	32	120		26	90		30-130	21		30
2-Nitrophenol	ND	18.2	12	66		11	61		30-130	9		30
4-Nitrophenol	ND	18.2	14	77		11	61		10-80	24		30
2,4-Dinitrophenol	ND	18.2	18.J	99		15.J	83		20-130	18		30
4,6-Dinitro-o-cresol	ND	18.2	17	94		15	83		20-164	13		30
Phenol	35	18.2	55	110		49	77		12-110	12		30
2-Methylphenol	1.8J	18.2	13	72		12	66		30-130	8		30
3-Methylphenol/4-Methylphenol	27	18.2	45	99		38	61		30-130	17		30
2,4,5-Trichlorophenol	ND	18.2	14	77		12	66		30-130	15		30
Carbazole	2.5	18.2	13	58		12	**52**	Q	55-144	8		30
Atrazine	ND	18.2	2.4J	**13**	Q	ND	**0**	Q	40-140	NC		30
Benzaldehyde	ND	18.2	11	61		11	61		40-140	0		30
Caprolactam	ND	18.2	ND	**0**	Q	6.6J	36		10-130	NC		30
2,3,4,6-Tetrachlorophenol	ND	18.2	15	83		12	66		40-140	22		30

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,10 QC Batch ID: WG1421266-4 WG1421266-5 QC Sample: L2043653-02
Client ID: MW203(100920)

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	86		75		10-120
2-Fluorobiphenyl	59		50		15-120
2-Fluorophenol	57		48		21-120
4-Terphenyl-d14	68		56		41-149
Nitrobenzene-d5	63		53		23-120
Phenol-d6	58		50		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,06,10 QC Batch ID: WG1421267-4 WG1421267-5 QC Sample: L2043653-02 Client ID: MW203(100920)												
Acenaphthene	1.0	18.2	12	61		9.6	47		40-140	22		40
2-Chloronaphthalene	ND	18.2	12	66		9.1	50		40-140	27		40
Fluoranthene	4.7	18.2	16	62		20	84		40-140	22		40
Hexachlorobutadiene	ND	18.2	11	61		8.1	45		40-140	30		40
Naphthalene	8.7	18.2	20	62		17	46		40-140	16		40
Benzo(a)anthracene	1.7	18.2	14	68		13	62		40-140	7		40
Benzo(a)pyrene	1.5	18.2	15	74		12	58		40-140	22		40
Benzo(b)fluoranthene	2.0	18.2	13	61		11	50		40-140	17		40
Benzo(k)fluoranthene	0.72	18.2	14	73		10	51		40-140	33		40
Chrysene	1.4	18.2	12	58		11	53		40-140	9		40
Acenaphthylene	0.30	18.2	12	64		10	53		40-140	18		40
Anthracene	1.5	18.2	14	69		12	58		40-140	15		40
Benzo(ghi)perylene	1.0	18.2	14	72		9.6	47		40-140	37		40
Fluorene	1.5	18.2	14	69		12	58		40-140	15		40
Phenanthrene	5.1	18.2	14	49		17	65		40-140	19		40
Dibenzo(a,h)anthracene	0.27	18.2	15	81		8.1	43		40-140	**60**	Q	40
Indeno(1,2,3-cd)pyrene	1.1	18.2	15	76		10	49		40-140	40		40
Pyrene	3.7	18.2	16	68		18	79		40-140	12		40
2-Methylnaphthalene	1.6	18.2	13	63		11	52		40-140	17		40
Pentachlorophenol	ND	18.2	18	99		15	83		40-140	18		40
Hexachlorobenzene	ND	18.2	11	61		8.8	48		40-140	22		40
Hexachloroethane	ND	18.2	10	55		8.3	46		40-140	19		40

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,06,10 QC Batch ID: WG1421267-4 WG1421267-5 QC Sample: L2043653-02 Client ID: MW203(100920)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	102		83		10-120
2-Fluorobiphenyl	71		54		15-120
2-Fluorophenol	56		47		21-120
4-Terphenyl-d14	82		64		41-149
Nitrobenzene-d5	75		57		23-120
Phenol-d6	53		44		10-120

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 04-05,07,10 QC Batch ID: WG1422836-4 WG1422836-5 QC Sample: L2043653-07 Client ID: MW203(101220)												
1,4-Dioxane	1420	5000	6260	97		6170	95		40-140	1		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	37		40		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07,09-10 QC Batch ID: WG1424550-4 WG1424550-5 QC Sample: L2043653-07 Client ID: MW203(101220)												
Perfluorobutanoic Acid (PFBA)	225	36.9	327	**276**	Q	297	**194**	Q	67-148	10		30
Perfluoropentanoic Acid (PFPeA)	1420E	36.9	1890E	**1270**	Q	1720E	**810**	Q	63-161	9		30
Perfluorobutanesulfonic Acid (PFBS)	35.3	32.8	78.9	133		75.4	122		65-157	5		30
Perfluorohexanoic Acid (PFHxA)	563	36.9	748	**501**	Q	678	**311**	Q	69-168	10		30
Perfluoroheptanoic Acid (PFHpA)	247	36.9	351	**282**	Q	328	**219**	Q	58-159	7		30
Perfluorohexanesulfonic Acid (PFHxS)	399	33.7	495	**285**	Q	490	**269**	Q	69-177	1		30
Perfluorooctanoic Acid (PFOA)	166	36.9	213	127		236	**189**	Q	63-159	10		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.1	ND	**0**	Q	ND	**0**	Q	49-187	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	57.0	35.1	125	**194**	Q	120	179		61-179	4		30
Perfluorononanoic Acid (PFNA)	22.5	36.9	59.6	101		56.9	93		68-171	5		30
Perfluorooctanesulfonic Acid (PFOS)	2820FE	34.2	3060FE	**701**	Q	2850FE	87		52-151	7		30
Perfluorodecanoic Acid (PFDA)	13.0	36.9	53.5	110		52.0	105		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	432F	35.4	477F	127		465F	93		56-173	3		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.9	38.3	104		31.2	84		60-166	20		30
Perfluoroundecanoic Acid (PFUnA)	0.915J	36.9	41.0	109		41.7	110		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.6	64.9	**182**	Q	62.7	**176**	Q	38-156	3		30
Perfluorooctanesulfonamide (FOSA)	2.88F	36.9	44.3	112		42.2F	106		46-170	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.11F	36.9	44.2F	114		42.6F	109		45-170	4		30
Perfluorododecanoic Acid (PFDoA)	ND	36.9	41.7	113		40.8	110		67-153	2		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36.9	52.5	142		50.3	136		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	ND	36.9	39.0	106		38.9	105		59-182	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07,09-10 QC Batch ID: WG1424550-4 WG1424550-5 QC Sample: L2043653-07 Client ID: MW203(101220)												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**493**	Q	**443**	Q	7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**1030**	Q	**1076**	Q	1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		78		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		88		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		80		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		82		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	43		46		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	142		138		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		57		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		61		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		79		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	58		59		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		31		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		89		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		84		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	45		45		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	150		145		31-159

PCBS

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01
Client ID: MW201(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/20 16:39
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16
Cleanup Method: EPA 3665A
Cleanup Date: 10/14/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02
Client ID: MW203(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 11:55
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/20 11:39
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16
Cleanup Method: EPA 3665A
Cleanup Date: 10/14/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**273**	Q	30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03
Client ID: MW201(100920) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/20 16:47
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16
Cleanup Method: EPA 3665A
Cleanup Date: 10/14/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/14/20 16:55
Analyst: JAW

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16
Cleanup Method: EPA 3665A
Cleanup Date: 10/14/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/14/20 10:59
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16
Cleanup Method: EPA 3665A
Cleanup Date: 10/14/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/14/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,10 Batch: WG1421677-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020

Project Number: 06303

Lab Number: L2043653

Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,10 Batch: WG1421677-2 WG1421677-3									
Aroclor 1016	91		89		40-140	2		50	A
Aroclor 1260	77		76		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		87		30-150	A
Decachlorobiphenyl	70		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		86		30-150	B
Decachlorobiphenyl	82		85		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*	*Column*
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,10 QC Batch ID: WG1421677-4 WG1421677-5 QC Sample: L2043653-02 Client ID: MW203(100920)													
Aroclor 1016	ND	1.78	1.42	80		1.74	97		40-140	20		50	A
Aroclor 1260	ND	1.78	0.972	54		1.38	77		40-140	35		50	A

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	81		88		30-150	A
Decachlorobiphenyl	43		106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**294**	Q	**291**	Q	30-150	B
Decachlorobiphenyl	48		89		30-150	B

PESTICIDES

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01
Client ID: MW201(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 10/14/20 14:25
Analyst: DGM

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	B
Lindane	ND		ug/l	0.014	0.003	1	B
Alpha-BHC	ND		ug/l	0.014	0.003	1	B
Beta-BHC	ND		ug/l	0.014	0.004	1	B
Heptachlor	ND		ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	B
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	B
Endrin	ND		ug/l	0.029	0.003	1	B
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	B
Dieldrin	ND		ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	B
4,4'-DDT	ND		ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	B
Endosulfan II	ND		ug/l	0.029	0.004	1	B
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	B
Methoxychlor	ND		ug/l	0.143	0.005	1	B
Toxaphene	ND		ug/l	0.143	0.045	1	B
cis-Chlordane	ND		ug/l	0.014	0.005	1	B
trans-Chlordane	ND		ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-01 Date Collected: 10/09/20 13:40

Client ID: MW201(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**22**	Q	30-150	A
Decachlorobiphenyl	**23**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02
Client ID: MW203(100920)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 11:55
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 10/14/20 13:47
Analyst: DGM

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	B
Lindane	ND		ug/l	0.014	0.003	1	B
Alpha-BHC	ND		ug/l	0.014	0.003	1	B
Beta-BHC	ND		ug/l	0.014	0.004	1	B
Heptachlor	ND		ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	B
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	B
Endrin	ND		ug/l	0.029	0.003	1	B
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	B
Dieldrin	ND		ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	B
4,4'-DDT	ND		ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	B
Endosulfan II	ND		ug/l	0.029	0.004	1	B
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	B
Methoxychlor	ND		ug/l	0.143	0.005	1	B
Toxaphene	ND		ug/l	0.143	0.045	1	B
cis-Chlordane	ND		ug/l	0.014	0.005	1	B
trans-Chlordane	ND		ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02 Date Collected: 10/09/20 11:55

Client ID: MW203(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**10**	Q	30-150	A
Decachlorobiphenyl	**10**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03
Client ID: MW201(100920) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/09/20 13:40
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 10/14/20 14:38
Analyst: DGM

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	B
Lindane	ND		ug/l	0.014	0.003	1	B
Alpha-BHC	ND		ug/l	0.014	0.003	1	B
Beta-BHC	ND		ug/l	0.014	0.004	1	B
Heptachlor	ND		ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	B
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	B
Endrin	ND		ug/l	0.029	0.003	1	B
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	B
Dieldrin	ND		ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	B
4,4'-DDT	ND		ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	B
Endosulfan II	ND		ug/l	0.029	0.004	1	B
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	B
Methoxychlor	ND		ug/l	0.143	0.005	1	B
Toxaphene	ND		ug/l	0.143	0.045	1	B
cis-Chlordane	ND		ug/l	0.014	0.005	1	B
trans-Chlordane	ND		ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-03 Date Collected: 10/09/20 13:40

Client ID: MW201(100920) DUPLICATE Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**20**	Q	30-150	A
Decachlorobiphenyl	**21**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-04
Client ID: MW201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 10/14/20 11:59
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 10/13/20 15:26

Methylation Date: 10/13/20 23:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	85		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-05
Client ID: MW201(101220) DUPLICATE
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 10:10
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 10/14/20 12:17
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 10/13/20 15:26

Methylation Date: 10/13/20 23:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	100		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-07
Client ID: MW203(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 12:57
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 10/14/20 11:04
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 10/13/20 15:26

Methylation Date: 10/13/20 23:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	35		30-150	A
DCAA	42		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 10/14/20 14:51
Analyst: DGM

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.004	J	ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10 Date Collected: 10/12/20 15:00

Client ID: RB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10
Client ID: RB-201(101220)
Sample Location: 140 CHANDLER ST., BUFFALO, NY

Date Collected: 10/12/20 15:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 10/14/20 12:36
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 10/13/20 15:26

Methylation Date: 10/13/20 23:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	69		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/14/20 10:09
Analyst: SM

Extraction Method: EPA 8151A
Extraction Date: 10/13/20 15:26

Methylation Date: 10/13/20 23:59

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-05,07,10 Batch: WG1421610-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	68		30-150	B

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/14/20 13:08
Analyst: DGM

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,10 Batch: WG1421674-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/14/20 13:08
Analyst: DGM

Extraction Method: EPA 3510C
Extraction Date: 10/13/20 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03,10 Batch: WG1421674-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-05,07,10 Batch: WG1421610-2 WG1421610-3									
2,4-D	78		76		30-150	3		25	A
2,4,5-T	76		74		30-150	3		25	A
2,4,5-TP (Silvex)	77		78		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	87		80		30-150	A
DCAA	75		76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,10 Batch: WG1421674-2 WG1421674-3									
Delta-BHC	66		72		30-150	9		20	A
Lindane	74		80		30-150	7		20	A
Alpha-BHC	77		83		30-150	7		20	A
Beta-BHC	71		77		30-150	8		20	A
Heptachlor	72		80		30-150	11		20	A
Aldrin	75		85		30-150	13		20	A
Heptachlor epoxide	72		85		30-150	17		20	A
Endrin	77		88		30-150	12		20	A
Endrin aldehyde	71		89		30-150	**23**	Q	20	A
Endrin ketone	82		96		30-150	16		20	A
Dieldrin	80		94		30-150	15		20	A
4,4'-DDE	75		91		30-150	19		20	A
4,4'-DDD	85		101		30-150	17		20	A
4,4'-DDT	80		96		30-150	18		20	A
Endosulfan I	75		87		30-150	16		20	A
Endosulfan II	76		86		30-150	12		20	A
Endosulfan sulfate	80		87		30-150	9		20	A
Methoxychlor	78		84		30-150	8		20	A
cis-Chlordane	68		82		30-150	18		20	A
trans-Chlordane	71		84		30-150	18		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,10 Batch: WG1421674-2 WG1421674-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		77		30-150	A
Decachlorobiphenyl	81		99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		68		30-150	B
Decachlorobiphenyl	68		81		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*	*Column*
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-05,07,10 QC Batch ID: WG1421610-4 WG1421610-5 QC Sample: L2043653-07 Client ID: MW203(101220)													
2,4-D	ND	5	3.58J	72		4.27J	85		30-150	18		25	A
2,4,5-T	ND	5	3.67	73		3.61	72		30-150	2		25	A
2,4,5-TP (Silvex)	ND	5	3.93	79		3.84	77		30-150	2		25	A

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
DCAA	80		85		30-150	A
DCAA	85		85		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*	*Column*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,10 QC Batch ID: WG1421674-4 WG1421674-5 QC Sample: L2043653-02 Client ID: MW203(100920)													
Delta-BHC	ND	0.357	0.178P	50		0.185P	52		30-150	4		30	B
Lindane	ND	0.357	0.212P	59		0.220P	62		30-150	4		30	B
Alpha-BHC	ND	0.357	0.176P	49		0.185P	52		30-150	5		30	B
Beta-BHC	ND	0.357	0.206P	58		0.201P	56		30-150	2		30	B
Heptachlor	ND	0.357	0.178P	50		0.184P	52		30-150	3		30	B
Aldrin	ND	0.357	0.184P	52		0.187P	52		30-150	2		30	B
Heptachlor epoxide	ND	0.357	0.178P	50		0.189P	53		30-150	6		30	B
Endrin	ND	0.357	0.207P	58		0.224P	63		30-150	8		30	B
Endrin aldehyde	ND	0.357	0.257P	72		0.271P	76		30-150	5		30	B
Endrin ketone	ND	0.357	0.309P	86		0.315P	88		30-150	2		30	B
Dieldrin	ND	0.357	0.220P	62		0.243P	68		30-150	10		30	B
4,4'-DDE	ND	0.357	0.183P	51		0.214P	60		30-150	16		30	B
4,4'-DDD	ND	0.357	0.310P	87		0.333P	93		30-150	7		30	B
4,4'-DDT	ND	0.357	0.208P	58		0.254P	71		30-150	20		30	B
Endosulfan I	ND	0.357	0.212P	59		0.226P	63		30-150	6		30	B
Endosulfan II	ND	0.357	0.152P	43		0.165P	46		30-150	8		30	B
Endosulfan sulfate	ND	0.357	0.251P	70		0.261P	73		30-150	4		30	B
Methoxychlor	ND	0.357	0.256P	72		0.340P	95		30-150	28		30	B
cis-Chlordane	ND	0.357	0.188P	53		0.220P	62		30-150	16		30	B
trans-Chlordane	ND	0.357	0.488P	137		0.847P	**237**	Q	30-150	**54**	Q	30	B

Matrix Spike Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020 ***Lab Number:*** L2043653

Project Number: 06303 ***Report Date:*** 10/26/20

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03,10 QC Batch ID: WG1421674-4 WG1421674-5 QC Sample: L2043653-02 Client ID: MW203(100920)												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	**8**	Q	**10**	Q	30-150	A
Decachlorobiphenyl	**9**	Q	**12**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		42		30-150	B
Decachlorobiphenyl	40		44		30-150	B

METALS

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02 Date Collected: 10/09/20 11:55

Client ID: MW203(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	98.3		mg/l	0.100	0.032	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Antimony, Total	ND		mg/l	0.050	0.007	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Arsenic, Total	0.046		mg/l	0.005	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Barium, Total	2.80		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Beryllium, Total	0.009		mg/l	0.005	0.001	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Cadmium, Total	0.008		mg/l	0.005	0.001	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Calcium, Total	2160		mg/l	0.500	0.175	5	10/13/20 14:56	10/14/20 16:38	EPA 3005A	1,6010D	GD
Chromium, Total	0.153		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Cobalt, Total	0.100		mg/l	0.020	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Copper, Total	0.409		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Iron, Total	96.8		mg/l	0.050	0.009	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Lead, Total	1.01		mg/l	0.010	0.003	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Magnesium, Total	251		mg/l	0.100	0.015	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Manganese, Total	9.03		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Mercury, Total	0.00132		mg/l	0.00020	0.00009	1	10/13/20 15:05	10/14/20 09:29	EPA 7470A	1,7470A	EW
Nickel, Total	0.207		mg/l	0.025	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Potassium, Total	44.3		mg/l	2.50	0.237	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Selenium, Total	0.017		mg/l	0.010	0.004	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Silver, Total	ND		mg/l	0.007	0.003	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Sodium, Total	45.7		mg/l	2.00	0.120	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Thallium, Total	0.005	J	mg/l	0.020	0.003	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Vanadium, Total	0.131		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Zinc, Total	1.93		mg/l	0.050	0.002	1	10/13/20 14:56	10/14/20 15:50	EPA 3005A	1,6010D	GD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.394		mg/l	0.100	0.032	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Antimony, Dissolved	0.023	J	mg/l	0.050	0.007	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Arsenic, Dissolved	0.010		mg/l	0.005	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Barium, Dissolved	0.033		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Beryllium, Dissolved	ND		mg/l	0.005	0.001	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-02 Date Collected: 10/09/20 11:55

Client ID: MW203(100920) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Calcium, Dissolved	61.0		mg/l	0.100	0.035	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Chromium, Dissolved	ND		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Copper, Dissolved	ND		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Iron, Dissolved	0.023	J	mg/l	0.050	0.009	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Lead, Dissolved	ND		mg/l	0.010	0.003	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Magnesium, Dissolved	0.043	J	mg/l	0.100	0.015	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Manganese, Dissolved	0.003	J	mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/14/20 15:43	10/15/20 10:20	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.007	J	mg/l	0.025	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Potassium, Dissolved	25.1		mg/l	2.50	0.237	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Selenium, Dissolved	ND		mg/l	0.010	0.004	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Silver, Dissolved	ND		mg/l	0.007	0.003	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Sodium, Dissolved	56.7		mg/l	2.00	0.120	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Thallium, Dissolved	ND		mg/l	0.020	0.003	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Vanadium, Dissolved	0.057		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV
Zinc, Dissolved	ND		mg/l	0.050	0.002	1	10/19/20 14:47	10/19/20 18:00	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-04 Date Collected: 10/12/20 10:10

Client ID: MW201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.584		mg/l	0.100	0.032	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Arsenic, Total	0.007		mg/l	0.005	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Barium, Total	0.043		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Calcium, Total	88.5		mg/l	0.100	0.035	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Cobalt, Total	0.008	J	mg/l	0.020	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Copper, Total	0.006	J	mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Iron, Total	0.877		mg/l	0.050	0.009	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Lead, Total	0.003	J	mg/l	0.010	0.003	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Magnesium, Total	61.6		mg/l	0.100	0.015	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Manganese, Total	0.076		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/13/20 15:05	10/14/20 09:41	EPA 7470A	1,7470A	EW
Nickel, Total	0.052		mg/l	0.025	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Potassium, Total	9.95		mg/l	2.50	0.237	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Silver, Total	ND		mg/l	0.007	0.003	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Sodium, Total	147		mg/l	2.00	0.120	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Vanadium, Total	0.015		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Zinc, Total	0.008	J	mg/l	0.050	0.002	1	10/13/20 14:56	10/15/20 03:07	EPA 3005A	1,6010D	BV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.035	J	mg/l	0.100	0.032	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Antimony, Dissolved	0.008	J	mg/l	0.050	0.007	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Arsenic, Dissolved	0.008		mg/l	0.005	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Barium, Dissolved	0.038		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Beryllium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-04 Date Collected: 10/12/20 10:10

Client ID: MW201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Calcium, Dissolved	91.3		mg/l	0.100	0.035	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Chromium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Cobalt, Dissolved	0.008	J	mg/l	0.020	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Copper, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Iron, Dissolved	0.070		mg/l	0.050	0.009	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Lead, Dissolved	0.003	J	mg/l	0.010	0.003	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Magnesium, Dissolved	57.4		mg/l	0.100	0.015	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Manganese, Dissolved	0.061		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/14/20 15:43	10/15/20 10:30	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.051		mg/l	0.025	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Potassium, Dissolved	8.46		mg/l	2.50	0.237	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Selenium, Dissolved	ND		mg/l	0.010	0.004	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Silver, Dissolved	ND		mg/l	0.007	0.003	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Sodium, Dissolved	145		mg/l	2.00	0.120	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Thallium, Dissolved	ND		mg/l	0.020	0.003	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Vanadium, Dissolved	0.014		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV
Zinc, Dissolved	0.006	J	mg/l	0.050	0.002	1	10/14/20 15:39	10/19/20 12:32	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-05 Date Collected: 10/12/20 10:10

Client ID: MW201(101220) DUPLICATE Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.741		mg/l	0.100	0.032	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Arsenic, Total	0.007		mg/l	0.005	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Barium, Total	0.045		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Calcium, Total	85.7		mg/l	0.100	0.035	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Cobalt, Total	0.008	J	mg/l	0.020	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Copper, Total	0.004	J	mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Iron, Total	1.13		mg/l	0.050	0.009	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Lead, Total	0.003	J	mg/l	0.010	0.003	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Magnesium, Total	68.0		mg/l	0.100	0.015	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Manganese, Total	0.091		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/13/20 15:05	10/14/20 09:43	EPA 7470A	1,7470A	EW
Nickel, Total	0.055		mg/l	0.025	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Potassium, Total	9.13		mg/l	2.50	0.237	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Silver, Total	ND		mg/l	0.007	0.003	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Sodium, Total	145		mg/l	2.00	0.120	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Vanadium, Total	0.014		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Zinc, Total	0.009	J	mg/l	0.050	0.002	1	10/13/20 14:56	10/15/20 03:12	EPA 3005A	1,6010D	BV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.032	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Antimony, Dissolved	ND		mg/l	0.050	0.007	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Arsenic, Dissolved	0.009		mg/l	0.005	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Barium, Dissolved	0.037		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Beryllium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-05 Date Collected: 10/12/20 10:10

Client ID: MW201(101220) DUPLICATE Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Calcium, Dissolved	91.6		mg/l	0.100	0.035	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Chromium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Cobalt, Dissolved	0.008	J	mg/l	0.020	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Copper, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Iron, Dissolved	0.050	J	mg/l	0.050	0.009	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Lead, Dissolved	0.005	J	mg/l	0.010	0.003	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Magnesium, Dissolved	57.8		mg/l	0.100	0.015	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Manganese, Dissolved	0.061		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/14/20 15:43	10/15/20 10:34	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.051		mg/l	0.025	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Potassium, Dissolved	8.52		mg/l	2.50	0.237	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Selenium, Dissolved	ND		mg/l	0.010	0.004	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Silver, Dissolved	ND		mg/l	0.007	0.003	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Sodium, Dissolved	147		mg/l	2.00	0.120	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Thallium, Dissolved	ND		mg/l	0.020	0.003	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Vanadium, Dissolved	0.015		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV
Zinc, Dissolved	0.005	J	mg/l	0.050	0.002	1	10/14/20 15:39	10/19/20 12:36	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-06 Date Collected: 10/12/20 11:30

Client ID: MW202(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.089	J	mg/l	0.100	0.032	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Arsenic, Total	ND		mg/l	0.005	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Barium, Total	0.069		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Calcium, Total	127		mg/l	0.100	0.035	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Cobalt, Total	0.002	J	mg/l	0.020	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Copper, Total	0.004	J	mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Iron, Total	0.095		mg/l	0.050	0.009	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Lead, Total	ND		mg/l	0.010	0.003	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Magnesium, Total	262		mg/l	0.100	0.015	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Manganese, Total	0.239		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/13/20 15:05	10/14/20 09:45	EPA 7470A	1,7470A	EW
Nickel, Total	0.003	J	mg/l	0.025	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Potassium, Total	15.4		mg/l	2.50	0.237	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Silver, Total	ND		mg/l	0.007	0.003	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Sodium, Total	185		mg/l	2.00	0.120	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Thallium, Total	ND		mg/l	0.020	0.003	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Vanadium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV
Zinc, Total	0.013	J	mg/l	0.050	0.002	1	10/13/20 14:56	10/15/20 03:16	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10 Date Collected: 10/12/20 15:00

Client ID: RB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Antimony, Total	ND		mg/l	0.050	0.007	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Arsenic, Total	ND		mg/l	0.005	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Barium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Beryllium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Cadmium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Calcium, Total	ND		mg/l	0.100	0.035	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Chromium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Cobalt, Total	ND		mg/l	0.020	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Copper, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Iron, Total	ND		mg/l	0.050	0.009	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Lead, Total	ND		mg/l	0.010	0.003	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Magnesium, Total	0.024	J	mg/l	0.100	0.015	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Manganese, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/13/20 15:05	10/14/20 10:10	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.025	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Potassium, Total	ND		mg/l	2.50	0.237	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Selenium, Total	ND		mg/l	0.010	0.004	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Silver, Total	ND		mg/l	0.007	0.003	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Sodium, Total	0.175	J	mg/l	2.00	0.120	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Vanadium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Zinc, Total	ND		mg/l	0.050	0.002	1	10/13/20 14:56	10/15/20 03:21	EPA 3005A	1,6010D	BV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.100	0.032	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Antimony, Dissolved	ND		mg/l	0.050	0.007	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Arsenic, Dissolved	ND		mg/l	0.005	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Barium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Beryllium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

SAMPLE RESULTS

Lab ID: L2043653-10 Date Collected: 10/12/20 15:00

Client ID: RB-201(101220) Date Received: 10/12/20

Sample Location: 140 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Calcium, Dissolved	ND		mg/l	0.100	0.035	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Chromium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Copper, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Iron, Dissolved	ND		mg/l	0.050	0.009	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Lead, Dissolved	ND		mg/l	0.010	0.003	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Magnesium, Dissolved	ND		mg/l	0.100	0.015	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Manganese, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/14/20 15:43	10/15/20 10:43	EPA 7470A	1,7470A	EW
Nickel, Dissolved	ND		mg/l	0.025	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Selenium, Dissolved	ND		mg/l	0.010	0.004	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Silver, Dissolved	ND		mg/l	0.007	0.003	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Sodium, Dissolved	0.127	J	mg/l	2.00	0.120	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Thallium, Dissolved	ND		mg/l	0.020	0.003	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV
Zinc, Dissolved	0.003	J	mg/l	0.050	0.002	1	10/14/20 15:39	10/19/20 12:40	EPA 3005A	1,6010D	BV

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04-06,10 Batch: WG1421504-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Antimony, Total	ND		mg/l	0.050	0.007	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Arsenic, Total	ND		mg/l	0.005	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Barium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Beryllium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Cadmium, Total	ND		mg/l	0.005	0.001	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Calcium, Total	ND		mg/l	0.100	0.035	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Chromium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Cobalt, Total	ND		mg/l	0.020	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Copper, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Iron, Total	ND		mg/l	0.050	0.009	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Lead, Total	ND		mg/l	0.010	0.003	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Magnesium, Total	ND		mg/l	0.100	0.015	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Manganese, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Potassium, Total	ND		mg/l	2.50	0.237	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Selenium, Total	ND		mg/l	0.010	0.004	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Silver, Total	ND		mg/l	0.007	0.003	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Sodium, Total	ND		mg/l	2.00	0.120	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Thallium, Total	ND		mg/l	0.020	0.003	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Vanadium, Total	ND		mg/l	0.010	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD
Zinc, Total	ND		mg/l	0.050	0.002	1	10/13/20 14:56	10/14/20 15:41	1,6010D	GD

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04-06,10 Batch: WG1421507-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/13/20 15:05	10/14/20 09:25	1,7470A	EW

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 04-05,10 Batch: WG1421949-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.032	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Antimony, Dissolved	ND		mg/l	0.050	0.007	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Arsenic, Dissolved	ND		mg/l	0.005	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Barium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Beryllium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Calcium, Dissolved	ND		mg/l	0.100	0.035	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Chromium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Copper, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Iron, Dissolved	ND		mg/l	0.050	0.009	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Lead, Dissolved	ND		mg/l	0.010	0.003	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Magnesium, Dissolved	ND		mg/l	0.100	0.015	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Manganese, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Nickel, Dissolved	ND		mg/l	0.025	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Selenium, Dissolved	ND		mg/l	0.010	0.004	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Silver, Dissolved	ND		mg/l	0.007	0.003	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Sodium, Dissolved	ND		mg/l	2.00	0.120	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Thallium, Dissolved	0.003	J	mg/l	0.020	0.003	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV
Zinc, Dissolved	ND		mg/l	0.050	0.002	1	10/14/20 15:39	10/19/20 12:06	1,6010D	BV

Prep Information

Digestion Method: EPA 3005A

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02,04-05,10 Batch: WG1421950-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/14/20 15:43	10/15/20 10:14	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02 Batch: WG1423711-1										
Aluminum, Dissolved	ND		mg/l	0.100	0.032	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Antimony, Dissolved	ND		mg/l	0.050	0.007	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Arsenic, Dissolved	ND		mg/l	0.005	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Barium, Dissolved	ND		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Beryllium, Dissolved	ND		mg/l	0.005	0.001	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Calcium, Dissolved	ND		mg/l	0.100	0.035	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Chromium, Dissolved	ND		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Copper, Dissolved	ND		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Iron, Dissolved	ND		mg/l	0.050	0.009	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Lead, Dissolved	ND		mg/l	0.010	0.003	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Magnesium, Dissolved	ND		mg/l	0.100	0.015	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Manganese, Dissolved	ND		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Nickel, Dissolved	ND		mg/l	0.025	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Potassium, Dissolved	ND		mg/l	2.50	0.237	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Selenium, Dissolved	ND		mg/l	0.010	0.004	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Silver, Dissolved	ND		mg/l	0.007	0.003	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Sodium, Dissolved	0.154	J	mg/l	2.00	0.120	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Thallium, Dissolved	0.004	J	mg/l	0.020	0.003	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD
Zinc, Dissolved	ND		mg/l	0.050	0.002	1	10/19/20 14:47	10/19/20 17:51	1,6010D	GD

Project Name: RI GW SAMPLING OCT. 2020 **Lab Number:** L2043653

Project Number: 06303 **Report Date:** 10/26/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04-06,10 Batch: WG1421504-2								
Aluminum, Total	100		-		80-120	-		
Antimony, Total	99		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	98		-		80-120	-		
Chromium, Total	99		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	101		-		80-120	-		
Iron, Total	94		-		80-120	-		
Lead, Total	106		-		80-120	-		
Magnesium, Total	96		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	103		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	108		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020

Project Number: 06303

Lab Number: L2043653

Report Date: 10/26/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04-06,10 Batch: WG1421504-2					
Zinc, Total	106	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02,04-06,10 Batch: WG1421507-2					
Mercury, Total	101	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05,10 Batch: WG1421949-2					
Aluminum, Dissolved	99	-	80-120	-	
Antimony, Dissolved	97	-	80-120	-	
Arsenic, Dissolved	104	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	104	-	80-120	-	
Cadmium, Dissolved	109	-	80-120	-	
Calcium, Dissolved	103	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	101	-	80-120	-	
Copper, Dissolved	94	-	80-120	-	
Iron, Dissolved	95	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Magnesium, Dissolved	98	-	80-120	-	
Manganese, Dissolved	100	-	80-120	-	
Nickel, Dissolved	93	-	80-120	-	
Potassium, Dissolved	102	-	80-120	-	
Selenium, Dissolved	112	-	80-120	-	
Silver, Dissolved	103	-	80-120	-	
Sodium, Dissolved	104	-	80-120	-	
Thallium, Dissolved	103	-	80-120	-	
Vanadium, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020

Project Number: 06303

Lab Number: L2043653

Report Date: 10/26/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05,10 Batch: WG1421949-2					
Zinc, Dissolved	109	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04-05,10 Batch: WG1421950-2					
Mercury, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1423711-2					
Aluminum, Dissolved	104	-	80-120	-	
Antimony, Dissolved	98	-	80-120	-	
Arsenic, Dissolved	113	-	80-120	-	
Barium, Dissolved	106	-	80-120	-	
Beryllium, Dissolved	101	-	80-120	-	
Cadmium, Dissolved	113	-	80-120	-	
Calcium, Dissolved	104	-	80-120	-	
Chromium, Dissolved	105	-	80-120	-	
Cobalt, Dissolved	103	-	80-120	-	
Copper, Dissolved	107	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	112	-	80-120	-	
Magnesium, Dissolved	113	-	80-120	-	
Manganese, Dissolved	97	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	112	-	80-120	-	
Selenium, Dissolved	109	-	80-120	-	
Silver, Dissolved	110	-	80-120	-	
Sodium, Dissolved	113	-	80-120	-	
Thallium, Dissolved	111	-	80-120	-	
Vanadium, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020

Project Number: 06303

Lab Number: L2043653

Report Date: 10/26/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1423711-2					
Zinc, Dissolved	110	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04-06,10 QC Batch ID: WG1421504-3 WG1421504-4 QC Sample: L2043653-02 Client ID: MW203(100920)												
Aluminum, Total	98.3	2	102	**185**	Q	103	**235**	Q	75-125	1		20
Antimony, Total	ND	0.5	0.011J	**0**	Q	0.008J	**0**	Q	75-125	NC		20
Arsenic, Total	0.046	0.12	0.118	**60**	Q	0.117	**60**	Q	75-125	1		20
Barium, Total	2.80	2	4.24	**72**	Q	4.23	**72**	Q	75-125	0		20
Beryllium, Total	0.009	0.05	0.046	**74**	Q	0.046	75		75-125	1		20
Cadmium, Total	0.008	0.051	0.044	**70**	Q	0.043	**69**	Q	75-125	1		20
Calcium, Total	2160	10	2150	**-100**	Q	2150	**0**	Q	75-125	0		20
Chromium, Total	0.153	0.2	0.290	**68**	Q	0.291	**69**	Q	75-125	0		20
Cobalt, Total	0.100	0.5	0.432	**66**	Q	0.427	**65**	Q	75-125	1		20
Copper, Total	0.409	0.25	0.589	**72**	Q	0.595	**74**	Q	75-125	1		20
Iron, Total	96.8	1	105	**820**	Q	107	**1020**	Q	75-125	2		20
Lead, Total	1.01	0.51	1.33	**63**	Q	1.33	**63**	Q	75-125	0		20
Magnesium, Total	251	10	251	**0**	Q	254	**30**	Q	75-125	1		20
Manganese, Total	9.03	0.5	9.33	**60**	Q	9.37	**68**	Q	75-125	0		20
Nickel, Total	0.207	0.5	0.528	**64**	Q	0.525	**64**	Q	75-125	1		20
Potassium, Total	44.3	10	53.6	93		53.8	95		75-125	0		20
Selenium, Total	0.017	0.12	0.079	**51**	Q	0.076	**49**	Q	75-125	3		20
Silver, Total	ND	0.05	0.036	**71**	Q	0.036	**71**	Q	75-125	0		20
Sodium, Total	45.7	10	54.5	88		54.1	84		75-125	1		20
Thallium, Total	0.005J	0.12	0.069	**58**	Q	0.070	**58**	Q	75-125	1		20
Vanadium, Total	0.131	0.5	0.435	**61**	Q	0.433	**60**	Q	75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04-06,10 QC Batch ID: WG1421504-3 WG1421504-4 QC Sample: L2043653-02 Client ID: MW203(100920)											
Zinc, Total	1.93	0.5	2.24	**62**	Q	2.23	**60**	Q	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 02,04-06,10 QC Batch ID: WG1421507-3 WG1421507-4 QC Sample: L2043653-02 Client ID: MW203(100920)											
Mercury, Total	0.00132	0.005	0.00533	80		0.00539	81		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05,10 QC Batch ID: WG1421949-3 QC Sample: L2033286-84 Client ID: MS Sample										
Aluminum, Dissolved	0.414	2	2.39	99		-	-	75-125	-	20
Antimony, Dissolved	0.009J	0.5	0.537	107		-	-	75-125	-	20
Arsenic, Dissolved	0.0090	0.12	0.148	116		-	-	75-125	-	20
Barium, Dissolved	0.032	2	2.06	101		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.052	104		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.056	109		-	-	75-125	-	20
Calcium, Dissolved	68.8	10	74.8	**60**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.002J	0.2	0.204	102		-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.511	102		-	-	75-125	-	20
Copper, Dissolved	0.003J	0.25	0.248	99		-	-	75-125	-	20
Iron, Dissolved	0.011J	1	0.988	99		-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.538	105		-	-	75-125	-	20
Magnesium, Dissolved	0.026J	10	9.56	96		-	-	75-125	-	20
Manganese, Dissolved	ND	0.5	0.506	101		-	-	75-125	-	20
Nickel, Dissolved	0.008J	0.5	0.477	95		-	-	75-125	-	20
Potassium, Dissolved	20.0	10	32.0	120		-	-	75-125	-	20
Selenium, Dissolved	0.004J	0.12	0.135	112		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.052	104		-	-	75-125	-	20
Sodium, Dissolved	52.4	10	62.6	102		-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.124	103		-	-	75-125	-	20
Vanadium, Dissolved	0.054	0.5	0.564	102		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05,10 QC Batch ID: WG1421949-3 QC Sample: L2033286-84 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.552	110	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 02,04-05,10 QC Batch ID: WG1421950-3 WG1421950-4 QC Sample: L2043653-02 Client ID: MW203(100920)									
Mercury, Dissolved	ND	0.005	0.00508	102	0.00474	95	75-125	7	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1423711-3 WG1423711-4 QC Sample: L2043653-02 Client ID: MW203(100920)											
Aluminum, Dissolved	0.394	2	2.57	109		2.58	109		75-125	0	20
Antimony, Dissolved	0.023J	0.5	0.592	118		0.593	119		75-125	0	20
Arsenic, Dissolved	0.010	0.12	0.154	120		0.153	119		75-125	1	20
Barium, Dissolved	0.033	2	2.18	107		2.19	108		75-125	0	20
Beryllium, Dissolved	ND	0.05	0.052	104		0.052	104		75-125	0	20
Cadmium, Dissolved	ND	0.051	0.058	113		0.058	114		75-125	1	20
Calcium, Dissolved	61.0	10	66.7	**57**	Q	66.1	**51**	Q	75-125	1	20
Chromium, Dissolved	ND	0.2	0.211	106		0.211	106		75-125	0	20
Cobalt, Dissolved	ND	0.5	0.518	104		0.519	104		75-125	0	20
Copper, Dissolved	ND	0.25	0.279	112		0.276	110		75-125	1	20
Iron, Dissolved	0.023J	1	1.03	103		1.03	103		75-125	0	20
Lead, Dissolved	ND	0.51	0.561	110		0.567	111		75-125	1	20
Magnesium, Dissolved	0.043J	10	11.0	110		11.1	111		75-125	1	20
Manganese, Dissolved	0.003J	0.5	0.494	99		0.494	99		75-125	0	20
Nickel, Dissolved	0.007J	0.5	0.515	103		0.519	104		75-125	1	20
Potassium, Dissolved	25.1	10	38.3	**132**	Q	38.3	**132**	Q	75-125	0	20
Selenium, Dissolved	ND	0.12	0.138	115		0.138	115		75-125	0	20
Silver, Dissolved	ND	0.05	0.055	110		0.055	110		75-125	0	20
Sodium, Dissolved	56.7	10	68.4	117		68.1	114		75-125	0	20
Thallium, Dissolved	ND	0.12	0.133	111		0.133	111		75-125	0	20
Vanadium, Dissolved	0.057	0.5	0.582	105		0.578	104		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1423711-3 WG1423711-4 QC Sample: L2043653-02 Client ID: MW203(100920)									
Zinc, Dissolved	ND	0.5	0.558	112	0.559	112	75-125	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05,10 QC Batch ID: WG1421949-4 QC Sample: L2033286-84 Client ID: DUP Sample						
Aluminum, Dissolved	0.414	0.395	mg/l	5		20
Antimony, Dissolved	0.009J	ND	mg/l	NC		20
Arsenic, Dissolved	0.0090	0.007	mg/l	**32**	Q	20
Barium, Dissolved	0.032	0.030	mg/l	6		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	68.8	61.5	mg/l	11		20
Chromium, Dissolved	0.002J	ND	mg/l	NC		20
Cobalt, Dissolved	ND	ND	mg/l	NC		20
Copper, Dissolved	0.003J	0.002J	mg/l	NC		20
Iron, Dissolved	0.011J	0.024J	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	0.026J	0.020J	mg/l	NC		20
Manganese, Dissolved	ND	ND	mg/l	NC		20
Nickel, Dissolved	0.008J	0.008J	mg/l	NC		20
Potassium, Dissolved	20.0	21.3	mg/l	6		20
Selenium, Dissolved	0.004J	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	52.4	50.7	mg/l	3		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 04-05,10 QC Batch ID: WG1421949-4 QC Sample: L2033286-84 Client ID: DUP Sample					
Thallium, Dissolved	ND	0.003J	mg/l	NC	20
Vanadium, Dissolved	0.054	0.054	mg/l	0	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303

Lab Number: L2043653
Report Date: 10/26/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2043653-01A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-01B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-01C	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-01D	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8081(7)
L2043653-01E	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8081(7)
L2043653-01F	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2043653-01G	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2043653-01H	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-01I	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02A1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02A2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02B1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02B2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02C1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2043653-02C2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2043653-02D	Plastic 250ml HNO3 preserved	A	7	<2	3.1	N	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2043653-02D1	Plastic 250ml HNO3 preserved	A	7	<2	3.1	N	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2043653-02D2	Plastic 250ml HNO3 preserved	A	7	<2	3.1	N	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2043653-02E	Plastic 250ml unpreserved	A	9	9	3.1	Y	Absent		-
L2043653-02E1	Plastic 250ml unpreserved	A	9	9	3.1	Y	Absent		-
L2043653-02E2	Plastic 250ml unpreserved	A	9	9	3.1	Y	Absent		-
L2043653-02F	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8081(7)
L2043653-02F1	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8081(7)
L2043653-02F2	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8081(7)
L2043653-02G	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8081(7)
L2043653-02G1	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8081(7)
L2043653-02G2	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8081(7)
L2043653-02H	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8082-LVI(7)
L2043653-02H1	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8082-LVI(7)
L2043653-02H2	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8082-LVI(7)
L2043653-02I	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8082-LVI(7)
L2043653-02I1	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8082-LVI(7)
L2043653-02I2	Amber 120ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8082-LVI(7)
L2043653-02J	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-02J1	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-02J2	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2043653-02K	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-02K1	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-02K2	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-02X	Plastic 120ml HNO3 preserved Filtrates	A	9	9	3.1	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),CU-SI(180),NI-SI(180),AG-SI(180),AS-SI(180),NA-SI(180),MN-SI(180),AL-SI(180),BE-SI(180),CD-SI(180),CO-SI(180),CR-SI(180),SB-SI(180),K-SI(180),MG-SI(180),SE-SI(180),CA-SI(180),HG-S(28),V-SI(180),ZN-SI(180)
L2043653-02X1	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.1	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),CU-SI(180),NI-SI(180),AG-SI(180),AS-SI(180),NA-SI(180),MN-SI(180),AL-SI(180),BE-SI(180),CD-SI(180),CO-SI(180),CR-SI(180),SB-SI(180),K-SI(180),MG-SI(180),SE-SI(180),CA-SI(180),HG-S(28),V-SI(180),ZN-SI(180)
L2043653-02X2	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.1	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),CU-SI(180),NI-SI(180),AG-SI(180),AS-SI(180),NA-SI(180),MN-SI(180),AL-SI(180),BE-SI(180),CD-SI(180),CO-SI(180),CR-SI(180),SB-SI(180),K-SI(180),MG-SI(180),SE-SI(180),CA-SI(180),HG-S(28),V-SI(180),ZN-SI(180)
L2043653-03A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-03B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-03C	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-03D	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2043653-03E	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2043653-03F	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8081(7)
L2043653-03G	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8081(7)
L2043653-03H	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-03I	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-04A	Plastic 250ml unpreserved	B	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-04B	Plastic 250ml unpreserved	B	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2043653-04C	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2043653-04D	Plastic 250ml unpreserved	B	9	9	4.8	Y	Absent		-
L2043653-04E	Amber 250ml unpreserved	B	9	9	4.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-04F	Amber 250ml unpreserved	B	9	9	4.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-04G	Amber 1000ml unpreserved	B	9	9	4.8	Y	Absent		HERB-APA(7)
L2043653-04H	Amber 1000ml unpreserved	B	9	9	4.8	Y	Absent		HERB-APA(7)
L2043653-04X	Plastic 120ml HNO3 preserved Filtrates	B	NA		4.8	Y	Absent		PB-SI(180),TL-SI(180),FE-SI(180),BA-SI(180),CU-SI(180),MN-SI(180),NI-SI(180),AG-SI(180),NA-SI(180),AS-SI(180),AL-SI(180),BE-SI(180),CO-SI(180),CD-SI(180),K-SI(180),MG-SI(180),SB-SI(180),CR-SI(180),ZN-SI(180),CA-SI(180),HG-S(28),V-SI(180),SE-SI(180)
L2043653-05A	Plastic 250ml unpreserved	B	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-05B	Plastic 250ml unpreserved	B	NA		4.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-05C	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2043653-05D	Plastic 250ml unpreserved	B	9	9	4.8	Y	Absent		-
L2043653-05E	Amber 250ml unpreserved	B	9	9	4.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-05F	Amber 250ml unpreserved	B	9	9	4.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-05G	Amber 1000ml unpreserved	B	9	9	4.8	Y	Absent		HERB-APA(7)
L2043653-05H	Amber 1000ml unpreserved	B	9	9	4.8	Y	Absent		HERB-APA(7)
L2043653-05X	Plastic 120ml HNO3 preserved Filtrates	B	NA		4.8	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),CU-SI(180),AS-SI(180),NI-SI(180),NA-SI(180),AG-SI(180),MN-SI(180),AL-SI(180),CD-SI(180),BE-SI(180),CO-SI(180),SB-SI(180),MG-SI(180),K-SI(180),CR-SI(180),CA-SI(180),ZN-SI(180),HG-S(28),SE-SI(180),V-SI(180)
L2043653-06A	Vial HCl preserved	B	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2043653-06B	Vial HCl preserved	B	NA		4.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2043653-06C	Vial HCl preserved	B	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2043653-06D	Plastic 250ml HNO3 preserved	B	<2	<2	4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2043653-06E	Amber 250ml unpreserved	B	9	9	4.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-06F	Amber 250ml unpreserved	B	9	9	4.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-07A	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-07A1	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-07A2	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-07B	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-07B1	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-07B2	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-07C	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-07C1	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-07C2	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-07D	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-07D1	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-07D2	Amber 250ml unpreserved	A	9	9	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-07E	Amber 1000ml unpreserved	A	9	9	3.1	Y	Absent		HERB-APA(7)
L2043653-07E1	Amber 1000ml unpreserved	A	9	9	3.1	Y	Absent		HERB-APA(7)
L2043653-07E2	Amber 1000ml unpreserved	A	9	9	3.1	Y	Absent		HERB-APA(7)
L2043653-07F	Amber 1000ml unpreserved	A	9	9	3.1	Y	Absent		HERB-APA(7)
L2043653-07F1	Amber 1000ml unpreserved	A	9	9	3.1	Y	Absent		HERB-APA(7)
L2043653-07F2	Amber 1000ml unpreserved	A	9	9	3.1	Y	Absent		HERB-APA(7)
L2043653-08A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-08B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-09A	Plastic 250ml unpreserved	C	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-10A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2043653-10B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-10C	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260-R2(14)
L2043653-10D	Plastic 250ml unpreserved	C	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-10E	Plastic 250ml unpreserved	C	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2043653-10F	Plastic 250ml HNO3 preserved	C	<2	<2	4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2043653-10G	Plastic 250ml unpreserved	C	9	9	4.2	Y	Absent		-
L2043653-10H	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2043653-10I	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2043653-10J	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8081(7)
L2043653-10K	Amber 120ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8081(7)
L2043653-10L	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-10M	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2043653-10N	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-10O	Amber 250ml unpreserved	C	9	9	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2043653-10P	Amber 1000ml unpreserved	C	9	9	4.2	Y	Absent		HERB-APA(7)
L2043653-10Q	Amber 1000ml unpreserved	C	9	9	4.2	Y	Absent		HERB-APA(7)
L2043653-10X	Plastic 120ml HNO3 preserved Filtrates	C	NA		4.2	Y	Absent		PB-SI(180),FE-SI(180),TL-SI(180),BA-SI(180),MN-SI(180),NI-SI(180),AG-SI(180),AS-SI(180),NA-SI(180),CU-SI(180),AL-SI(180),CO-SI(180),CD-SI(180),BE-SI(180),SB-SI(180),CR-SI(180),K-SI(180),MG-SI(180),SE-SI(180),CA-SI(180),HG-S(28),ZN-SI(180),V-SI(180)

*Values in parentheses indicate holding time in days

Project Name: RI GW SAMPLING OCT. 2020
Project Number: 06303
Lab Number: L2043653
Report Date: 10/26/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RI GW SAMPLING OCT. 2020	**Lab Number:**	L2043653
Project Number:	06303	**Report Date:**	10/26/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 10/13/20

ALPHA Job #: L2043653

Client Information

Client: Env. Advantage Inc.
Address: 3636 N. Buffalo Rd
Orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: michelewittmanjr@gmail.com

Project Information

Project Name: RI GW Sampling Oct. 2020
Project Location: 140 Chandler St Buffalo NY
Project #: 06303
(Use Project name as Project #) ☐
Project Manager: Michele Wittman and Mark Hanna
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Additionally email results to ebetzold@envadvantage.com Open Sample delivery group on 10/09/2020
Keep Sample delivery group open (Continue with second chain)

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NY TCL-8270-LVI	NYTCL 8081, NYTCL 8082-LVI	Total Hg Metals	Total Dissolved Metals	HERB-APA	A2-1,4 Dioxane-SIM	A2-NY-537-Isotope	Sample Specific Comments	Total Bottle
43653 -01	MW201 (100920)	10/9/2020	1:40PM	GW	EB	X	X	X	X	X	X	X	X		9
-02	MW203 (100920)	10/9/2020	11:55AM	GW	EB	X	X	X	X	X	X	X	X		11
-02	MW203 (100920) MS	10/9/2020	11:55AM	GW	EB	X	X	X	X	X	X	X	X		11
-02	MW203 (100920) MSD	10/9/2020	11:55AM	GW	EB	X	X	X	X	X	X	X	X		11
-03	MW201 (100920) DUPLICATE	10/9/2020	1:40PM	GW	EB	X	X	X	X	X	X	X	X		9
-04	MW201 (101220)	10/12/2020	10:10am	GW	EB				X	X	X	X	X		8
-05	MW201 (101220) Duplicate	10/12/2020	10:10am	GW	EB				X	X	X	X	X		8
-06	MW202 (101220)	10/12/2020	11:30am	GW	EB	X	X		X						6
-07	MW203 (101220)	10/12/2020	12:57pm	GW	EB						X	X	X		6
-08	MW203 (101220) MS	10/12/2020	12:57PM	GW	EB						X	X	X		6

Container Type: V A A P P A A A
Preservative: B A A C A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	10/12/2020 1540	AAL	10/12/20 15:40
AAL	10/12/20 16:30		10/13/20 01:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 10/13/20

ALPHA Job #: L2043653

Client Information

Client: Env. Advantage Eng.
Address: 3636 N. Buffalo Rd
Orchard Park NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: Michelewittmergeo@gmail.com

Project Information

Project Name: RI GW Sampling oct. 2020
Project Location: 140 Chandler st Buffalo NY
Project # 06303
(Use Project name as Project #) ☐
Project Manager: Michele wittmer & Mark Hanna
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5 day

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Additionally email results to ebetzold@envadvantage.com (link with 1st COC) Close sample delivery group.

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8260	NY TCL-8270	NY TCL 8081, NYTCL 8082 LVI	Total Hg Metals	Total Dissolved Metals	HERB-APA	AZ-1,4 Dioxane-SIM	AZ-NY 537 Isotope	Sample Specific Comments	Total Bottle
43653 -07	MW 203 (10122o) MSD	10/12/2020	12:57Pm	GW	EB						X	X	X		6
-08	TB-201 (10/22o)	10/12/2020	2:45Pm	WA	EB	X									2
-09	FB-201 (10122o)	10/12/2020	2:50Pm	WA	EB								X		2
-10	RB-201 (10122o)	10/12/2020	3:00Pm	WA	EB	X	X	X	X	X	X	X	X		17

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	A	P	P	A	A	P
Preservative	B	A	A	C	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
AAL	10/12/2020 1540	AAL	10/12/20 15:40
AAL	10/12/20 16:30		10/13/20 0815

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Section IV – Supplemental Information

Section IV: Property Information

- *Please provide the complete street address in the property information table (i.e."156 Chandler Street" rather than "156 Chandler").*

  Response: Acknowledged and revised, please see **Exhibit "A"**.

- *Please select which portion of the site lies within an En-Zone.*

  Response: Acknowledged and revised, please see **Exhibit "A"**.

- *Please provide the required Property Description Narrative*

Response: The site is addressed as 156 Chandler Street in the City of Buffalo, Erie County, New York and consists of one parcel totaling approximately 0.432 acres of land. The site is bound to the north by railroad tracks, to the south by Chandler Street, to the west by Chandler Street Pool (140 Chandler Street) and to the east by a commercial structure, with occupants including Tappo Restaurant, Thin Man Brewery, ODL Ortho Lab, and a salon and fitness center. The property is located within an urban area, utilized for industrial, commercial, and residential purposes.

Site Features – The site is vacant, undeveloped land. However, about 10 feet of the eastern limits of the site, includes a concrete driveway associated with the eastern adjoining property. Additionally, a silo and cooling machinery associated with the brewery are located near the eastern property limit, but appear to be on the eastern adjoining property. The parcel extends northerly from Chandler Street to the railroad track right-of-way.

Current Zoning and Land Use – 156 Chandler Street is currently zoned D-C for Flex Commercial

Past Uses of the Site – The subject site, 156 Chandler Street was formerly occupied by a large industrial building, addressed as 160 to 164 Chandler, constructed in 1914, and occupied by Enterprise Oil Co. (manufacturers of soap & compounds of lubricating oils), Quaker State Oil Refining Corp., Quality Petroleum Products, Inc. and Niagara Lubricants. Numerous aboveground tanks were depicted along the northern and western limits of 156 Chandler Street Site, associated with the historic refining operations. The building was most recently occupied by Niagara Lubricants and was destroyed by a fire in the summer of 2011. Following building demolition associated with the fire, the former building area was backfilled, and has been vacant since that time.

Prior remedial measures have been completed at the site associated with numerous historical spills. Wittman GeoSciences, PLLC completed a limited Phase II investigation in May 2018. Additionally, a remedial investigation was completed as part of the 140 Chandler Street Site BCP C915354 in August and October 2020. The work completed at the site included completion of eight test pits, 11 soil borings, installation of three monitoring wells, and collection of soil and groundwater samples, which is included in Section III.

Site Geology and Hydrogeology – Based on the soil borings completed, approximately 4 to 7 feet of granular and cohesive fill material is present throughout the site. A former basement floor, associated with the building demolished in 2011, was encountered between 5 and 7 feet below grade in

investigation locations completed within former building. Clay and silt was encountered below the fill material and extended the full depth drilled, ranging from 8 to 20 feet below grade. Groundwater was encountered approximately 3.5 to 17 feet below grade.

Based on a review of the site topographic conditions as depicted on the USGS 7.5 minute Topographic Quadrangle Map of Buffalo NW, New York, shallow regional groundwater flows is expected to flow in a southwesterly direction toward Scajaquada Creek located approximately 0.40 miles south and toward the Niagara River located approximately one mile west of the Site.

Environmental Assessment – Based on the investigation completed in May 2018, the primary contaminants of concern in the soil include semi-volatile organic compounds (SVOCs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene; and metals barium and lead

Soil – The contamination at the site is primarily due to fill which varies from 4 to 7 feet below ground surface. SVOCs (PAHs) were encountered in the soil samples collected from fill areas at concentrations exceeding restricted residential soil cleanup objectives (RRSCO). The concentrations of the PAHs were up to 6.6 ppm benzo(a)anthracene (RRSCO – 1 ppm); 4.6 ppm benzo(a)pyrene (RRSCO – 1 ppm); 6 ppm benzo(b)fluoranthene (RRSCO – 1ppm); 2.1 ppm benzo(k)fluoranthene (RRSCO – 1 ppm); 4 ppm chrysene (RRSCO – 3.9 ppm); 0.79 ppm dibenzo(a,h)anthracene (RRSCO - 0.330 ppm); and 2.8 ppm indeno(1,2,3-cd)pyrene (RRSCO – 0.5 ppm). .

Groundwater – Concentrations of various VOCs were encountered above groundwater standards (GWS) including 1,1-dichloroethane at 20 ppb (GWS - 5 ppb); chloroethane at 13 ppb (GWS – 5 ppb); 1,2-dichlorobenzene at 5.8 ppb (GWS – 3 ppb); acetone at 170 ppb (GWS – 50 ppb). Additionally, concentrations of various SVOCs were encountered including phenol at 35 ppb (GWS – 1 ppb); naphthalene at 35 ppb (GWS – 10 ppb); benzo(a)anthracene at 4.8 ppb (GWS - 0.002 ppb); benzo(a)pyrene at 3.2 ppb (GWS – ND); benzo(b)fluoranthene at 4.6 ppb (GWS - 0.002 ppb); benzo(k)fluoranthene at 1.7 ppb (GWS – 0.002 ppb); chrysene at 4.8 ppb (GWS – 0.002 ppb); and indeno(1,2,3-cd)pyrene at 1.6 ppb (GWS – 0.002 ppb).

- *Please provide a county tax map with the site and surrounding property tax information visible.*

  Response: Tax maps are provided in **Exhibit "C"**.

Section IV

Property Information

Figure IV-A – Site Location – USGS Map

Figure IV-B – Tax Map

Figure IV-C – Site survey – 156 Chandler

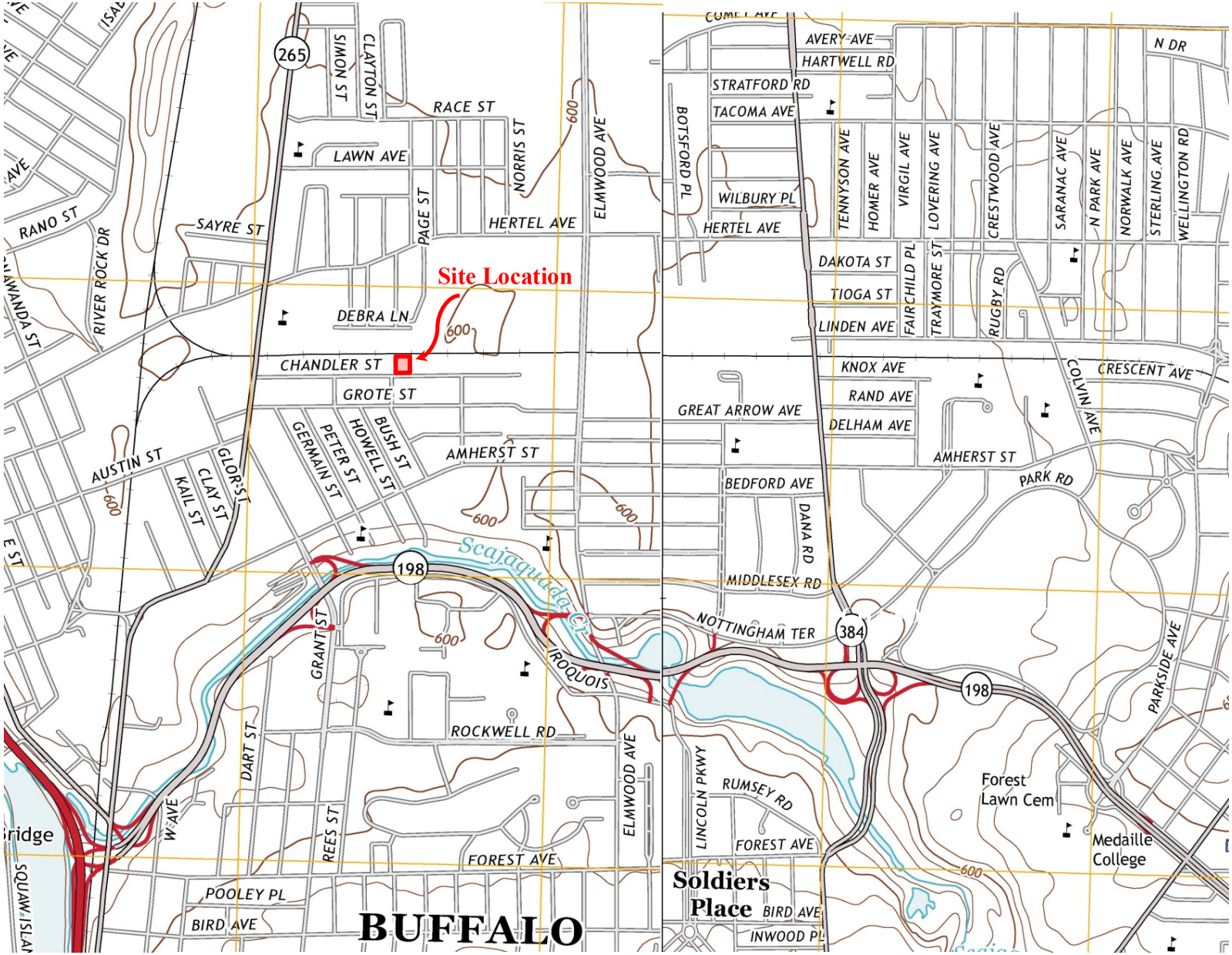
Figure IV-D – Site Base Map

Figure IV-E – En-Zone Designation

Figure IV-F – Brownfield Opportunity Area

Historical NYSDEC Spill Information

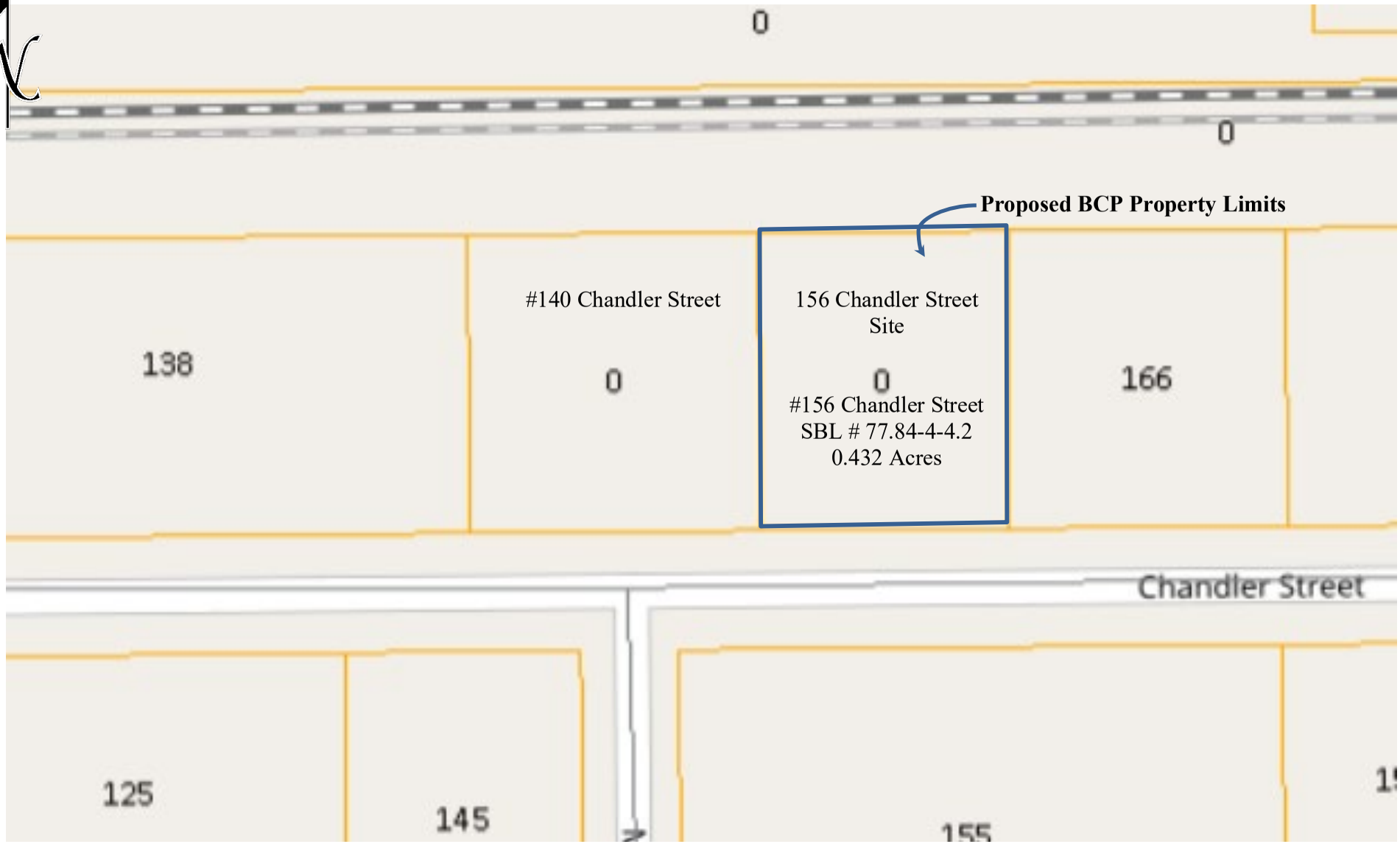
Property Description Narrative



THIS DRAWING IS FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY
AND WAS ADAPTED FROM USGS, BUFFALO NE & NW, NEW YORK 2013 QUADRANGLE.

WITTMAN
GeoSciences, PLLC

WITTMAN GEOSCIENCES, PLLC	Date: 01/2021	**Site Location**	Project: 21404
	Scale: not to scale	156Chandler Street, Buffalo, NY	Figure: IV-A



Base map adapted from Erie County Department of Environment and Planning Office of GIS.

WITTMAN GeoSciences, PLLC

WITTMAN GEOSCIENCES, PLLC	Date: 01/2021	**Tax Map**	Project: 19211
	Scale: not to scale	156 Chandler Street, Buffalo, NY	Figure: IV-B