ANALYTICAL REPORT

Lab Number:	L1746058
Client:	Hazard Evaluations, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Michele Wittman
Phone:	(716) 667-3130
Project Name:	PH. II ESA
Project Number:	E1646
Report Date:	12/21/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1746058-01	SB7	WATER	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 14:30	12/13/17
L1746058-02	SB11	WATER	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 15:00	12/13/17
L1746058-03	SB2 (0.5-3')	SOIL	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 09:15	12/13/17
L1746058-04	SB3 (0.5-2')	SOIL	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 09:45	12/13/17
L1746058-05	SB6 (1.5-3')	SOIL	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 10:40	12/13/17
L1746058-06	SB8 (0.5-2')	SOIL	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 11:25	12/13/17
L1746058-07	SB10 (0-3')	SOIL	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 11:55	12/13/17
L1746058-08	SB12 (0-3')	SOIL	27-37 CHANDLER ST., BUFFALO, NY	12/12/17 11:30	12/13/17

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
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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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

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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.

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

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

The WG1073729-2/-3 LCS/LCSD recoveries, associated with L1746058-03 through -08, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L1746058-03, -05, -06, -07 and -08: 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:  Melissa Cripps

Title: Technical Director/Representative Date: 12/21/17

ORGANICS

VOLATILES

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-01
Client ID: SB7
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Date Collected: 12/12/17 14:30
Date Received: 12/13/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/17 01:18
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
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-01
Client ID: SB7
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 14:30
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	9.5		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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
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	0.37	J	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	102		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	91		70-130

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-02
Client ID: SB11
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 15:00
Date Received: 12/13/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/17 01:45
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	0.65		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-02
Client ID: SB11
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 15:00
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	4.8	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
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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	ND		ug/l	2.5	0.70	1
n-Propylbenzene	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
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	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	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	89		70-130

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
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SAMPLE RESULTS

Lab ID: L1746058-03
Client ID: SB2 (0.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Date Collected: 12/12/17 09:15
Date Received: 12/13/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/19/17 13:45
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.43	1
Bromodichloromethane	ND		ug/kg	1.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.24	1
Toluene	0.52	J	ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.53	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.38	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-03
Client ID: SB2 (0.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 09:15
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.19	1
p/m-Xylene	0.46	J	ug/kg	2.4	0.43	1
o-Xylene	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	29		ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.84	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.1	0.44	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.25	1
Naphthalene	2.0	J	ug/kg	6.1	0.17	1
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
1,3,5-Trimethylbenzene	0.39	J	ug/kg	6.1	0.20	1
1,2,4-Trimethylbenzene	0.66	J	ug/kg	6.1	0.23	1
Methyl Acetate	ND		ug/kg	24	0.57	1
Cyclohexane	ND		ug/kg	24	0.53	1
1,4-Dioxane	ND		ug/kg	49	18.	1
Freon-113	ND		ug/kg	24	0.63	1
Methyl cyclohexane	0.69	J	ug/kg	4.9	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	130		70-130
Dibromofluoromethane	108		70-130

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-04
Client ID: SB3 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 09:45
Date Received: 12/13/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/19/17 14:11
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	9.1	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.91	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.91	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.91	0.28	1
Chlorobenzene	ND		ug/kg	0.91	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	0.32	1
Bromodichloromethane	ND		ug/kg	0.91	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	0.21	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	0.27	1
Benzene	0.75	J	ug/kg	0.91	0.18	1
Toluene	1.4		ug/kg	1.4	0.18	1
Ethylbenzene	0.64	J	ug/kg	0.91	0.16	1
Chloromethane	ND		ug/kg	4.6	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.91	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.17	1

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-04
Client ID: SB3 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 09:45
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	0.91	J	ug/kg	1.8	0.32	1
o-Xylene	0.62	J	ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.31	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.46	1
Acetone	27		ug/kg	9.1	2.1	1
Carbon disulfide	ND		ug/kg	9.1	1.0	1
2-Butanone	ND		ug/kg	9.1	0.63	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	0.22	1
2-Hexanone	ND		ug/kg	9.1	0.61	1
Bromochloromethane	ND		ug/kg	4.6	0.33	1
1,2-Dibromoethane	ND		ug/kg	3.6	0.18	1
n-Butylbenzene	ND		ug/kg	0.91	0.21	1
sec-Butylbenzene	ND		ug/kg	0.91	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.36	1
Isopropylbenzene	ND		ug/kg	0.91	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.18	1
Naphthalene	0.92	J	ug/kg	4.6	0.13	1
n-Propylbenzene	0.30	J	ug/kg	0.91	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.20	1
1,3,5-Trimethylbenzene	0.18	J	ug/kg	4.6	0.15	1
1,2,4-Trimethylbenzene	0.40	J	ug/kg	4.6	0.17	1
Methyl Acetate	ND		ug/kg	18	0.42	1
Cyclohexane	3.0	J	ug/kg	18	0.40	1
1,4-Dioxane	ND		ug/kg	36	13.	1
Freon-113	ND		ug/kg	18	0.47	1
Methyl cyclohexane	1.5	J	ug/kg	3.6	0.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	102		70-130

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05
Client ID: SB6 (1.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 10:40
Date Received: 12/13/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/19/17 14:38
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	1.0	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.17	1
Chloroform	ND		ug/kg	0.93	0.23	1
Carbon tetrachloride	ND		ug/kg	0.62	0.21	1
1,2-Dichloropropane	ND		ug/kg	2.2	0.14	1
Dibromochloromethane	ND		ug/kg	0.62	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.19	1
Tetrachloroethene	ND		ug/kg	0.62	0.19	1
Chlorobenzene	ND		ug/kg	0.62	0.22	1
Trichlorofluoromethane	ND		ug/kg	3.1	0.26	1
1,2-Dichloroethane	ND		ug/kg	0.62	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.22	1
Bromodichloromethane	ND		ug/kg	0.62	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	0.62	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.14	1
Bromoform	ND		ug/kg	2.5	0.15	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.18	1
Benzene	0.19	J	ug/kg	0.62	0.12	1
Toluene	0.18	J	ug/kg	0.93	0.12	1
Ethylbenzene	ND		ug/kg	0.62	0.10	1
Chloromethane	ND		ug/kg	3.1	0.27	1
Bromomethane	ND		ug/kg	1.2	0.21	1
Vinyl chloride	ND		ug/kg	1.2	0.20	1
Chloroethane	ND		ug/kg	1.2	0.20	1
1,1-Dichloroethene	ND		ug/kg	0.62	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	0.93	0.15	1
Trichloroethene	ND		ug/kg	0.62	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.11	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.11	1

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05
Client ID: SB6 (1.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 10:40
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.2	0.10	1
p/m-Xylene	ND		ug/kg	1.2	0.22	1
o-Xylene	ND		ug/kg	1.2	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	0.62	0.21	1
Styrene	ND		ug/kg	1.2	0.25	1
Dichlorodifluoromethane	ND		ug/kg	6.2	0.31	1
Acetone	4.4	J	ug/kg	6.2	1.4	1
Carbon disulfide	ND		ug/kg	6.2	0.68	1
2-Butanone	ND		ug/kg	6.2	0.43	1
4-Methyl-2-pentanone	ND		ug/kg	6.2	0.15	1
2-Hexanone	ND		ug/kg	6.2	0.41	1
Bromochloromethane	ND		ug/kg	3.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	2.5	0.12	1
n-Butylbenzene	ND		ug/kg	0.62	0.14	1
sec-Butylbenzene	ND		ug/kg	0.62	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	0.24	1
Isopropylbenzene	ND		ug/kg	0.62	0.12	1
p-Isopropyltoluene	ND		ug/kg	0.62	0.12	1
Naphthalene	0.19	J	ug/kg	3.1	0.09	1
n-Propylbenzene	ND		ug/kg	0.62	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.13	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.10	1
1,2,4-Trimethylbenzene	0.13	J	ug/kg	3.1	0.12	1
Methyl Acetate	ND		ug/kg	12	0.29	1
Cyclohexane	ND		ug/kg	12	0.27	1
1,4-Dioxane	ND		ug/kg	25	8.9	1
Freon-113	ND		ug/kg	12	0.32	1
Methyl cyclohexane	ND		ug/kg	2.5	0.15	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-06
Client ID: SB8 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 11:25
Date Received: 12/13/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/19/17 15:04
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.26	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.33	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.96	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.30	1
Tetrachloroethene	ND		ug/kg	0.96	0.29	1
Chlorobenzene	ND		ug/kg	0.96	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.40	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.34	1
Bromodichloromethane	ND		ug/kg	0.96	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.22	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.29	1
Benzene	ND		ug/kg	0.96	0.18	1
Toluene	0.49	J	ug/kg	1.4	0.19	1
Ethylbenzene	ND		ug/kg	0.96	0.16	1
Chloromethane	ND		ug/kg	4.8	0.42	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1
Trichloroethene	ND		ug/kg	0.96	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.17	1

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-06
Client ID: SB8 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 11:25
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	0.15	1
p/m-Xylene	ND		ug/kg	1.9	0.34	1
o-Xylene	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.33	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.48	1
Acetone	45		ug/kg	9.6	2.2	1
Carbon disulfide	2.3	J	ug/kg	9.6	1.0	1
2-Butanone	ND		ug/kg	9.6	0.66	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	0.23	1
2-Hexanone	ND		ug/kg	9.6	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.34	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
n-Butylbenzene	ND		ug/kg	0.96	0.22	1
sec-Butylbenzene	ND		ug/kg	0.96	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Isopropylbenzene	ND		ug/kg	0.96	0.19	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.19	1
Naphthalene	0.35	J	ug/kg	4.8	0.13	1
n-Propylbenzene	ND		ug/kg	0.96	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.21	1
1,3,5-Trimethylbenzene	0.19	J	ug/kg	4.8	0.15	1
1,2,4-Trimethylbenzene	0.33	J	ug/kg	4.8	0.18	1
Methyl Acetate	ND		ug/kg	19	0.44	1
Cyclohexane	ND		ug/kg	19	0.42	1
1,4-Dioxane	ND		ug/kg	38	14.	1
Freon-113	ND		ug/kg	19	0.49	1
Methyl cyclohexane	0.49	J	ug/kg	3.8	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	99		70-130

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/17 08:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-06 Batch: WG1074397-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.43	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/17 08:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-06 Batch: WG1074397-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.42	J	ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	0.20	J	ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	0.24	J	ug/kg	5.0	0.19
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/19/17 08:17
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-06 Batch: WG1074397-5					
Methyl cyclohexane	ND		ug/kg	4.0	0.24
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/17 20:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1074480-5					
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: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/17 20:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1074480-5					
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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-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
1,2,3-Trichlorobenzene	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
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/17 20:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1074480-5					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-06 Batch: WG1074397-3 WG1074397-4								
Methylene chloride	81		81		70-130	0		30
1,1-Dichloroethane	110		110		70-130	0		30
Chloroform	100		99		70-130	1		30
Carbon tetrachloride	101		100		70-130	1		30
1,2-Dichloropropane	115		115		70-130	0		30
Dibromochloromethane	91		93		70-130	2		30
1,1,2-Trichloroethane	91		94		70-130	3		30
Tetrachloroethene	87		86		70-130	1		30
Chlorobenzene	87		87		70-130	0		30
Trichlorofluoromethane	90		87		70-139	3		30
1,2-Dichloroethane	111		115		70-130	4		30
1,1,1-Trichloroethane	99		99		70-130	0		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	96		99		70-130	3		30
cis-1,3-Dichloropropene	108		109		70-130	1		30
Bromoform	86		90		70-130	5		30
1,1,2,2-Tetrachloroethane	80		85		70-130	6		30
Benzene	97		97		70-130	0		30
Toluene	83		81		70-130	2		30
Ethylbenzene	85		84		70-130	1		30
Chloromethane	106		102		52-130	4		30
Bromomethane	108		104		57-147	4		30
Vinyl chloride	90		87		67-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-06 Batch: WG1074397-3 WG1074397-4								
Chloroethane	102		98		50-151	4		30
1,1-Dichloroethene	94		92		65-135	2		30
trans-1,2-Dichloroethene	97		96		70-130	1		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	81		81		70-130	0		30
1,3-Dichlorobenzene	81		80		70-130	1		30
1,4-Dichlorobenzene	81		81		70-130	0		30
Methyl tert butyl ether	108		112		66-130	4		30
p/m-Xylene	87		86		70-130	1		30
o-Xylene	90		90		70-130	0		30
cis-1,2-Dichloroethene	100		101		70-130	1		30
Styrene	86		86		70-130	0		30
Dichlorodifluoromethane	77		75		30-146	3		30
Acetone	119		129		54-140	8		30
Carbon disulfide	93		93		59-130	0		30
2-Butanone	103		123		70-130	18		30
4-Methyl-2-pentanone	96		105		70-130	9		30
2-Hexanone	96		104		70-130	8		30
Bromochloromethane	107		109		70-130	2		30
1,2-Dibromoethane	88		93		70-130	6		30
n-Butylbenzene	77		76		70-130	1		30
sec-Butylbenzene	78		76		70-130	3		30
1,2-Dibromo-3-chloropropane	78		86		68-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-06 Batch: WG1074397-3 WG1074397-4								
Isopropylbenzene	80		78		70-130	3		30
p-Isopropyltoluene	79		77		70-130	3		30
Naphthalene	86		91		70-130	6		30
n-Propylbenzene	78		76		70-130	3		30
1,2,3-Trichlorobenzene	87		89		70-130	2		30
1,2,4-Trichlorobenzene	85		86		70-130	1		30
1,3,5-Trimethylbenzene	81		80		70-130	1		30
1,2,4-Trimethylbenzene	82		80		70-130	2		30
Methyl Acetate	122		133		51-146	9		30
Cyclohexane	115		114		59-142	1		30
1,4-Dioxane	106		111		65-136	5		30
Freon-113	95		92		50-139	3		30
Methyl cyclohexane	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		106		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	106		108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1074480-3 WG1074480-4								
Methylene chloride	85		87		70-130	2		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	86		89		70-130	3		20
Carbon tetrachloride	89		89		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	87		92		63-130	6		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	85		88		70-130	3		20
Chlorobenzene	94		99		75-130	5		20
Trichlorofluoromethane	86		86		62-150	0		20
1,2-Dichloroethane	91		95		70-130	4		20
1,1,1-Trichloroethane	84		85		67-130	1		20
Bromodichloromethane	80		84		67-130	5		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	85		89		70-130	5		20
Bromoform	**52**	Q	64		54-136	**21**	Q	20
1,1,2,2-Tetrachloroethane	100		120		67-130	18		20
Benzene	97		99		70-130	2		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	**37**	Q	**33**	Q	39-139	11		20
Vinyl chloride	85		84		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1074480-3 WG1074480-4								
Chloroethane	91		96		55-138	5		20
1,1-Dichloroethene	86		88		61-145	2		20
trans-1,2-Dichloroethene	83		84		70-130	1		20
Trichloroethene	86		89		70-130	3		20
1,2-Dichlorobenzene	90		110		70-130	20		20
1,3-Dichlorobenzene	94		110		70-130	16		20
1,4-Dichlorobenzene	93		110		70-130	17		20
Methyl tert butyl ether	79		85		63-130	7		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	110		115		70-130	4		20
cis-1,2-Dichloroethene	83		84		70-130	1		20
Styrene	**48**	Q	**50**	Q	70-130	4		20
Dichlorodifluoromethane	91		90		36-147	1		20
Acetone	89		91		58-148	2		20
Carbon disulfide	90		88		51-130	2		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	100		110		59-130	10		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	82		84		70-130	2		20
1,2-Dibromoethane	89		96		70-130	8		20
n-Butylbenzene	100		130		53-136	**26**	Q	20
sec-Butylbenzene	100		120		70-130	18		20
1,2-Dibromo-3-chloropropane	76		92		41-144	19		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1074480-3 WG1074480-4								
Isopropylbenzene	100		120		70-130	18		20
p-Isopropyltoluene	100		120		70-130	18		20
Naphthalene	83		100		70-130	19		20
n-Propylbenzene	100		130		69-130	**26**	Q	20
1,2,3-Trichlorobenzene	70		88		70-130	**23**	Q	20
1,2,4-Trichlorobenzene	74		93		70-130	**23**	Q	20
1,3,5-Trimethylbenzene	100		120		64-130	18		20
1,2,4-Trimethylbenzene	120		**150**	Q	70-130	**22**	Q	20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	120		120		70-130	0		20
1,4-Dioxane	78		80		56-162	3		20
Freon-113	110		110		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	99		96		70-130
Toluene-d8	109		112		70-130
4-Bromofluorobenzene	106		118		70-130
Dibromofluoromethane	90		90		70-130

SEMIVOLATILES

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-01
Client ID: SB7
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/20/17 04:16
Analyst: CB

Date Collected: 12/12/17 14:30
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:15

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
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: PH. II ESA
Lab Number: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-01
Client ID: SB7
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 14:30
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	ND		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	41		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	88		41-149

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-01
Client ID: SB7
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/20/17 13:14
Analyst: DV

Date Collected: 12/12/17 14:30
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.09	J	ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.08	J	ug/l	0.10	0.04	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.09	J	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	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		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: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-01
Client ID: SB7
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 14:30
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	83		41-149

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-02
Client ID: SB11
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/20/17 12:31
Analyst: TT

Date Collected: 12/12/17 15:00
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:15

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	0.80	J	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
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-02
Client ID: SB11
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 15:00
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	ND		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	43		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	98		41-149

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-02
Client ID: SB11
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/20/17 13:40
Analyst: DV

Date Collected: 12/12/17 15:00
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.05	J	ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.04	J	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	0.04	J	ug/l	0.10	0.04	1
Pyrene	0.04	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		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: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-02
Client ID: SB11
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 15:00
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	86		41-149

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-03
Client ID: SB2 (0.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/19/17 17:36
Analyst: CB
Percent Solids: 82%

Date Collected: 12/12/17 09:15
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	230		ug/kg	160	21.	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	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	7400		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	130	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	92	J	ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	2600		ug/kg	120	23.	1
Benzo(a)pyrene	2900		ug/kg	160	49.	1
Benzo(b)fluoranthene	4800		ug/kg	120	34.	1
Benzo(k)fluoranthene	1500		ug/kg	120	32.	1

Project Name: PH. II ESA **Lab Number:** L1746058

Project Number: E1646 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-03 Date Collected: 12/12/17 09:15

Client ID: SB2 (0.5-3') Date Received: 12/13/17

Sample Location: 27-37 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	3400		ug/kg	120	21.	1
Acenaphthylene	120	J	ug/kg	160	31.	1
Anthracene	550		ug/kg	120	39.	1
Benzo(ghi)perylene	2200		ug/kg	160	24.	1
Fluorene	230		ug/kg	200	20.	1
Phenanthrene	3800		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	600		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	2300		ug/kg	160	28.	1
Pyrene	6000		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	190	J	ug/kg	200	19.	1
2-Methylnaphthalene	200	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	610		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Project Name: PH. II ESA
Lab Number: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-03
Client ID: SB2 (0.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 09:15
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	68		18-120

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-04
Client ID: SB3 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/19/17 18:02
Analyst: CB
Percent Solids: 90%

Date Collected: 12/12/17 09:45
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	210		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	4100		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	100	J	ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	1200		ug/kg	110	21.	1
Benzo(a)pyrene	1300		ug/kg	150	45.	1
Benzo(b)fluoranthene	2200		ug/kg	110	31.	1
Benzo(k)fluoranthene	580		ug/kg	110	30.	1

Project Name: PH. II ESA **Lab Number:** L1746058

Project Number: E1646 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-04 Date Collected: 12/12/17 09:45

Client ID: SB3 (0.5-2') Date Received: 12/13/17

Sample Location: 27-37 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	1600		ug/kg	110	19.	1
Acenaphthylene	51	J	ug/kg	150	29.	1
Anthracene	280		ug/kg	110	36.	1
Benzo(ghi)perylene	870		ug/kg	150	22.	1
Fluorene	180		ug/kg	180	18.	1
Phenanthrene	2800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	240		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	920		ug/kg	150	26.	1
Pyrene	3100		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	200		ug/kg	180	18.	1
2-Methylnaphthalene	190	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Carbazole	450		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	38.	1

Project Name: PH. II ESA
Lab Number: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-04
Client ID: SB3 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 09:45
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	74		18-120

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05
Client ID: SB6 (1.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/19/17 20:09
Analyst: CB
Percent Solids: 92%

Date Collected: 12/12/17 10:40
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	29	J	ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	570		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	71	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	200		ug/kg	110	20.	1
Benzo(a)pyrene	210		ug/kg	140	44.	1
Benzo(b)fluoranthene	300		ug/kg	110	30.	1
Benzo(k)fluoranthene	98	J	ug/kg	110	28.	1

Project Name: PH. II ESA **Lab Number:** L1746058

Project Number: E1646 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05 Date Collected: 12/12/17 10:40

Client ID: SB6 (1.5-3') Date Received: 12/13/17

Sample Location: 27-37 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	240		ug/kg	110	18.	1
Acenaphthylene	34	J	ug/kg	140	28.	1
Anthracene	83	J	ug/kg	110	35.	1
Benzo(ghi)perylene	160		ug/kg	140	21.	1
Fluorene	32	J	ug/kg	180	17.	1
Phenanthrene	430		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	46	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	140	25.	1
Pyrene	460		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	43	J	ug/kg	180	17.	1
2-Methylnaphthalene	87	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Carbazole	52	J	ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	240	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Project Name: PH. II ESA
Lab Number: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05
Client ID: SB6 (1.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 10:40
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	59		18-120

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-06
Client ID: SB8 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/19/17 20:34
Analyst: CB
Percent Solids: 88%

Date Collected: 12/12/17 11:25
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	150		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	120	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	150	J	ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	80	J	ug/kg	110	21.	1
Benzo(a)pyrene	81	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	120		ug/kg	110	31.	1
Benzo(k)fluoranthene	35	J	ug/kg	110	30.	1

Project Name: PH. II ESA **Lab Number:** L1746058

Project Number: E1646 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-06 Date Collected: 12/12/17 11:25

Client ID: SB8 (0.5-2') Date Received: 12/13/17

Sample Location: 27-37 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	100	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	98	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	160		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	66	J	ug/kg	150	26.	1
Pyrene	160		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	46	J	ug/kg	190	18.	1
2-Methylnaphthalene	170	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	67	J	ug/kg	250	50.	1
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Project Name: PH. II ESA
Lab Number: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-06
Client ID: SB8 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 11:25
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	18		10-136
4-Terphenyl-d14	65		18-120

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-07
Client ID: SB10 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/19/17 21:00
Analyst: CB
Percent Solids: 83%

Date Collected: 12/12/17 11:55
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	38	J	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	990		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	160	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	82	J	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	960		ug/kg	120	22.	1
Benzo(a)pyrene	1000		ug/kg	160	48.	1
Benzo(b)fluoranthene	2000		ug/kg	120	33.	1
Benzo(k)fluoranthene	580		ug/kg	120	31.	1

Project Name: PH. II ESA **Lab Number:** L1746058

Project Number: E1646 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-07 Date Collected: 12/12/17 11:55

Client ID: SB10 (0-3') Date Received: 12/13/17

Sample Location: 27-37 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	930		ug/kg	120	20.	1
Acenaphthylene	130	J	ug/kg	160	30.	1
Anthracene	230		ug/kg	120	38.	1
Benzo(ghi)perylene	900		ug/kg	160	23.	1
Fluorene	48	J	ug/kg	200	19.	1
Phenanthrene	510		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	260		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	160	27.	1
Pyrene	920		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	44	J	ug/kg	200	18.	1
2-Methylnaphthalene	110	J	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	120	J	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: PH. II ESA
Lab Number: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-07
Client ID: SB10 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 11:55
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	65		18-120

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-08
Client ID: SB12 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/19/17 21:25
Analyst: CB
Percent Solids: 78%

Date Collected: 12/12/17 11:30
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	970		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	8000		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	1200		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	4000		ug/kg	130	24.	1
Benzo(a)pyrene	3900		ug/kg	170	51.	1
Benzo(b)fluoranthene	5200		ug/kg	130	35.	1
Benzo(k)fluoranthene	1500		ug/kg	130	34.	1

Project Name: PH. II ESA **Lab Number:** L1746058

Project Number: E1646 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-08 Date Collected: 12/12/17 11:30

Client ID: SB12 (0-3') Date Received: 12/13/17

Sample Location: 27-37 CHANDLER ST., BUFFALO, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	4000		ug/kg	130	22.	1
Acenaphthylene	220		ug/kg	170	32.	1
Anthracene	1800		ug/kg	130	41.	1
Benzo(ghi)perylene	2400		ug/kg	170	25.	1
Fluorene	870		ug/kg	210	20.	1
Phenanthrene	7500		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	780		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	170	29.	1
Pyrene	6700		ug/kg	130	21.	1
Biphenyl	140	J	ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	590		ug/kg	210	20.	1
2-Methylnaphthalene	640		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	47	J	ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	850		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Project Name: PH. II ESA
Lab Number: L1746058
Project Number: E1646
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-08
Client ID: SB12 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY
Date Collected: 12/12/17 11:30
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	59		18-120

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/17 20:34
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG1073729-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/17 20:34
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG1073729-1					
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/18/17 20:34
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/17/17 19:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG1073729-1					
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	85		18-120

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/20/17 01:18
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1074207-1					
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	ND		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	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	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: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/20/17 01:18
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1074207-1					
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

Tentatively Identified Compounds			
Total TIC Compounds	5.87	J	ug/l
Aldol Condensates	5.87	J	ug/l

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/20/17 01:18
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1074207-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	93		41-149

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/20/17 11:28
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1074210-1					
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: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/20/17 11:28
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/19/17 05:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1074210-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	84		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1073729-2 WG1073729-3								
Acenaphthene	76		80		31-137	5		50
Hexachlorobenzene	76		83		40-140	9		50
Bis(2-chloroethyl)ether	73		71		40-140	3		50
2-Chloronaphthalene	72		79		40-140	9		50
3,3'-Dichlorobenzidine	**35**	Q	44		40-140	23		50
2,4-Dinitrotoluene	79		87		40-132	10		50
2,6-Dinitrotoluene	76		85		40-140	11		50
Fluoranthene	80		88		40-140	10		50
4-Chlorophenyl phenyl ether	78		83		40-140	6		50
4-Bromophenyl phenyl ether	77		84		40-140	9		50
Bis(2-chloroisopropyl)ether	80		81		40-140	1		50
Bis(2-chloroethoxy)methane	72		74		40-117	3		50
Hexachlorobutadiene	77		76		40-140	1		50
Hexachlorocyclopentadiene	77		79		40-140	3		50
Hexachloroethane	68		63		40-140	8		50
Isophorone	72		73		40-140	1		50
Naphthalene	74		76		40-140	3		50
Nitrobenzene	71		72		40-140	1		50
NDPA/DPA	77		85		36-157	10		50
n-Nitrosodi-n-propylamine	70		73		32-121	4		50
Bis(2-ethylhexyl)phthalate	78		88		40-140	12		50
Butyl benzyl phthalate	78		87		40-140	11		50
Di-n-butylphthalate	78		85		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1073729-2 WG1073729-3								
Di-n-octylphthalate	78		88		40-140	12		50
Diethyl phthalate	76		83		40-140	9		50
Dimethyl phthalate	73		83		40-140	13		50
Benzo(a)anthracene	78		87		40-140	11		50
Benzo(a)pyrene	79		89		40-140	12		50
Benzo(b)fluoranthene	76		90		40-140	17		50
Benzo(k)fluoranthene	81		88		40-140	8		50
Chrysene	78		88		40-140	12		50
Acenaphthylene	72		79		40-140	9		50
Anthracene	78		84		40-140	7		50
Benzo(ghi)perylene	79		89		40-140	12		50
Fluorene	75		81		40-140	8		50
Phenanthrene	77		85		40-140	10		50
Dibenzo(a,h)anthracene	80		90		40-140	12		50
Indeno(1,2,3-cd)pyrene	77		88		40-140	13		50
Pyrene	78		86		35-142	10		50
Biphenyl	77		84		54-104	9		50
4-Chloroaniline	**26**	Q	**36**	Q	40-140	32		50
2-Nitroaniline	72		82		47-134	13		50
3-Nitroaniline	47		53		26-129	12		50
4-Nitroaniline	72		81		41-125	12		50
Dibenzofuran	75		80		40-140	6		50
2-Methylnaphthalene	73		78		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1073729-2 WG1073729-3								
1,2,4,5-Tetrachlorobenzene	80		84		40-117	5		50
Acetophenone	75		76		14-144	1		50
2,4,6-Trichlorophenol	77		83		30-130	8		50
p-Chloro-m-cresol	76		83		26-103	9		50
2-Chlorophenol	76		76		25-102	0		50
2,4-Dichlorophenol	76		78		30-130	3		50
2,4-Dimethylphenol	72		74		30-130	3		50
2-Nitrophenol	73		76		30-130	4		50
4-Nitrophenol	84		95		11-114	12		50
2,4-Dinitrophenol	29		32		4-130	10		50
4,6-Dinitro-o-cresol	67		78		10-130	15		50
Pentachlorophenol	78		90		17-109	14		50
Phenol	74		74		26-90	0		50
2-Methylphenol	75		75		30-130.	0		50
3-Methylphenol/4-Methylphenol	76		77		30-130	1		50
2,4,5-Trichlorophenol	80		89		30-130	11		50
Carbazole	79		87		54-128	10		50
Atrazine	76		86		40-140	12		50
Benzaldehyde	68		66		40-140	3		50
Caprolactam	82		91		15-130	10		50
2,3,4,6-Tetrachlorophenol	90		96		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1073729-2 WG1073729-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		78		25-120
Phenol-d6	77		79		10-120
Nitrobenzene-d5	70		73		23-120
2-Fluorobiphenyl	74		83		30-120
2,4,6-Tribromophenol	82		93		10-136
4-Terphenyl-d14	81		91		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1074207-2 WG1074207-3								
Bis(2-chloroethyl)ether	69		75		40-140	8		30
3,3'-Dichlorobenzidine	65		66		40-140	2		30
2,4-Dinitrotoluene	87		87		48-143	0		30
2,6-Dinitrotoluene	86		88		40-140	2		30
4-Chlorophenyl phenyl ether	82		83		40-140	1		30
4-Bromophenyl phenyl ether	85		83		40-140	2		30
Bis(2-chloroisopropyl)ether	78		84		40-140	7		30
Bis(2-chloroethoxy)methane	73		80		40-140	9		30
Hexachlorocyclopentadiene	73		73		40-140	0		30
Isophorone	74		80		40-140	8		30
Nitrobenzene	69		76		40-140	10		30
NDPA/DPA	84		84		40-140	0		30
n-Nitrosodi-n-propylamine	71		77		29-132	8		30
Bis(2-ethylhexyl)phthalate	86		88		40-140	2		30
Butyl benzyl phthalate	89		85		40-140	5		30
Di-n-butylphthalate	86		85		40-140	1		30
Di-n-octylphthalate	86		88		40-140	2		30
Diethyl phthalate	83		85		40-140	2		30
Dimethyl phthalate	84		85		40-140	1		30
Biphenyl	81		86		40-140	6		30
4-Chloroaniline	54		60		40-140	11		30
2-Nitroaniline	84		86		52-143	2		30
3-Nitroaniline	65		66		25-145	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1074207-2 WG1074207-3								
4-Nitroaniline	82		81		51-143	1		30
Dibenzofuran	78		82		40-140	5		30
1,2,4,5-Tetrachlorobenzene	78		84		2-134	7		30
Acetophenone	74		81		39-129	9		30
2,4,6-Trichlorophenol	86		88		30-130	2		30
p-Chloro-m-cresol	81		83		23-97	2		30
2-Chlorophenol	70		76		27-123	8		30
2,4-Dichlorophenol	79		84		30-130	6		30
2,4-Dimethylphenol	71		80		30-130	12		30
2-Nitrophenol	76		84		30-130	10		30
4-Nitrophenol	60		58		10-80	3		30
2,4-Dinitrophenol	77		76		20-130	1		30
4,6-Dinitro-o-cresol	88		86		20-164	2		30
Phenol	38		40		12-110	5		30
3-Methylphenol/4-Methylphenol	65		68		30-130	5		30
2,4,5-Trichlorophenol	91		92		30-130	1		30
Carbazole	84		85		55-144	1		30
Atrazine	82		81		40-140	1		30
Benzaldehyde	69		78		40-140	12		30
Caprolactam	28		26		10-130	7		30
2,3,4,6-Tetrachlorophenol	96		98		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1074207-2 WG1074207-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		56		21-120
Phenol-d6	36		39		10-120
Nitrobenzene-d5	70		78		23-120
2-Fluorobiphenyl	79		83		15-120
2,4,6-Tribromophenol	94		96		10-120
4-Terphenyl-d14	92		91		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1074210-2 WG1074210-3								
Acenaphthene	73		68		40-140	7		40
2-Chloronaphthalene	74		68		40-140	8		40
Fluoranthene	81		78		40-140	4		40
Hexachlorobutadiene	70		63		40-140	11		40
Naphthalene	68		62		40-140	9		40
Benzo(a)anthracene	78		74		40-140	5		40
Benzo(a)pyrene	86		82		40-140	5		40
Benzo(b)fluoranthene	81		78		40-140	4		40
Benzo(k)fluoranthene	82		78		40-140	5		40
Chrysene	74		71		40-140	4		40
Acenaphthylene	81		74		40-140	9		40
Anthracene	82		78		40-140	5		40
Benzo(ghi)perylene	80		76		40-140	5		40
Fluorene	78		72		40-140	8		40
Phenanthrene	73		69		40-140	6		40
Dibenzo(a,h)anthracene	84		80		40-140	5		40
Indeno(1,2,3-cd)pyrene	86		82		40-140	5		40
Pyrene	77		74		40-140	4		40
2-Methylnaphthalene	72		66		40-140	9		40
Pentachlorophenol	93		88		40-140	6		40
Hexachlorobenzene	77		73		40-140	5		40
Hexachloroethane	63		57		40-140	10		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1074210-2 WG1074210-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		44		21-120
Phenol-d6	33		30		10-120
Nitrobenzene-d5	74		68		23-120
2-Fluorobiphenyl	77		71		15-120
2,4,6-Tribromophenol	91		84		10-120
4-Terphenyl-d14	85		82		41-149

PCBS

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-03
Client ID: SB2 (0.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/18/17 23:14
Analyst: HT
Percent Solids: 82%

Date Collected: 12/12/17 09:15
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 20:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/18/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/18/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.7	4.62	1	A
Aroclor 1221	ND		ug/kg	40.7	6.20	1	A
Aroclor 1232	ND		ug/kg	40.7	4.01	1	A
Aroclor 1242	ND		ug/kg	40.7	4.98	1	A
Aroclor 1248	23.2	J	ug/kg	40.7	4.57	1	A
Aroclor 1254	22.9	J	ug/kg	40.7	3.32	1	A
Aroclor 1260	10.4	J	ug/kg	40.7	4.25	1	B
Aroclor 1262	ND		ug/kg	40.7	3.35	1	A
Aroclor 1268	ND		ug/kg	40.7	2.88	1	A
PCBs, Total	56.5	J	ug/kg	40.7	2.88	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05
Client ID: SB6 (1.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/18/17 23:30
Analyst: HT
Percent Solids: 92%

Date Collected: 12/12/17 10:40
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 20:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/18/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/18/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	4.04	1	A
Aroclor 1221	ND		ug/kg	35.6	5.42	1	A
Aroclor 1232	ND		ug/kg	35.6	3.50	1	A
Aroclor 1242	ND		ug/kg	35.6	4.36	1	A
Aroclor 1248	ND		ug/kg	35.6	3.99	1	A
Aroclor 1254	ND		ug/kg	35.6	2.90	1	A
Aroclor 1260	ND		ug/kg	35.6	3.72	1	A
Aroclor 1262	ND		ug/kg	35.6	2.92	1	A
Aroclor 1268	4.59	J	ug/kg	35.6	2.52	1	A
PCBs, Total	4.59	J	ug/kg	35.6	2.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-07
Client ID: SB10 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/18/17 23:46
Analyst: HT
Percent Solids: 83%

Date Collected: 12/12/17 11:55
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 20:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/18/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/18/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	4.41	1	A
Aroclor 1221	ND		ug/kg	38.9	5.92	1	A
Aroclor 1232	ND		ug/kg	38.9	3.83	1	A
Aroclor 1242	ND		ug/kg	38.9	4.76	1	A
Aroclor 1248	ND		ug/kg	38.9	4.36	1	A
Aroclor 1254	ND		ug/kg	38.9	3.17	1	A
Aroclor 1260	ND		ug/kg	38.9	4.06	1	A
Aroclor 1262	ND		ug/kg	38.9	3.20	1	A
Aroclor 1268	ND		ug/kg	38.9	2.75	1	A
PCBs, Total	ND		ug/kg	38.9	2.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-08
Client ID: SB12 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, NY

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/19/17 00:02
Analyst: HT
Percent Solids: 78%

Date Collected: 12/12/17 11:30
Date Received: 12/13/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/17/17 20:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/18/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/18/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.8	4.74	1	A
Aroclor 1221	ND		ug/kg	41.8	6.36	1	A
Aroclor 1232	ND		ug/kg	41.8	4.11	1	A
Aroclor 1242	ND		ug/kg	41.8	5.12	1	A
Aroclor 1248	ND		ug/kg	41.8	4.69	1	A
Aroclor 1254	ND		ug/kg	41.8	3.41	1	A
Aroclor 1260	ND		ug/kg	41.8	4.36	1	A
Aroclor 1262	ND		ug/kg	41.8	3.44	1	A
Aroclor 1268	ND		ug/kg	41.8	2.96	1	A
PCBs, Total	ND		ug/kg	41.8	2.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/18/17 21:54
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 12/17/17 20:57
Cleanup Method: EPA 3665A
Cleanup Date: 12/18/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/18/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,05,07-08 Batch: WG1073732-1						
Aroclor 1016	ND		ug/kg	31.9	3.61	A
Aroclor 1221	ND		ug/kg	31.9	4.85	A
Aroclor 1232	ND		ug/kg	31.9	3.14	A
Aroclor 1242	ND		ug/kg	31.9	3.90	A
Aroclor 1248	ND		ug/kg	31.9	3.58	A
Aroclor 1254	ND		ug/kg	31.9	2.60	A
Aroclor 1260	ND		ug/kg	31.9	3.33	A
Aroclor 1262	ND		ug/kg	31.9	2.62	A
Aroclor 1268	ND		ug/kg	31.9	2.26	A
PCBs, Total	ND		ug/kg	31.9	2.26	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	99		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,05,07-08 Batch: WG1073732-2 WG1073732-3									
Aroclor 1016	88		88		40-140	0		50	A
Aroclor 1260	86		92		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		103		30-150	A
Decachlorobiphenyl	105		111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		101		30-150	B
Decachlorobiphenyl	108		112		30-150	B

METALS

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-03
Client ID: SB2 (0.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil
Percent Solids: 82%

Date Collected: 12/12/17 09:15
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6810		mg/kg	9.46	2.55	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Antimony, Total	7.72		mg/kg	4.73	0.359	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Arsenic, Total	11.0		mg/kg	0.946	0.197	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Barium, Total	85.0		mg/kg	0.946	0.164	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Beryllium, Total	0.473		mg/kg	0.473	0.031	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.946	0.093	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Calcium, Total	55500		mg/kg	9.46	3.31	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Chromium, Total	17.4		mg/kg	0.946	0.091	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Cobalt, Total	6.18		mg/kg	1.89	0.157	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Copper, Total	93.4		mg/kg	0.946	0.244	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Iron, Total	61400		mg/kg	47.3	8.54	20	12/15/17 21:15	12/18/17 18:51	EPA 3050B	1,6010C	AB
Lead, Total	103		mg/kg	4.73	0.254	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Magnesium, Total	2830		mg/kg	9.46	1.46	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Manganese, Total	610		mg/kg	0.946	0.150	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Mercury, Total	0.10		mg/kg	0.08	0.02	1	12/19/17 16:58	12/19/17 20:00	EPA 7471B	1,7471B	EA
Nickel, Total	16.0		mg/kg	2.36	0.229	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Potassium, Total	808		mg/kg	236	13.6	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Selenium, Total	0.322	J	mg/kg	1.89	0.244	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.946	0.268	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Sodium, Total	218		mg/kg	189	2.98	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.89	0.298	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Vanadium, Total	23.6		mg/kg	0.946	0.192	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS
Zinc, Total	154		mg/kg	4.73	0.277	2	12/15/17 21:15	12/18/17 13:30	EPA 3050B	1,6010C	PS

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05
Client ID: SB6 (1.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil
Percent Solids: 92%

Date Collected: 12/12/17 10:40
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3260		mg/kg	8.63	2.33	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Antimony, Total	0.595	J	mg/kg	4.31	0.328	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Arsenic, Total	4.37		mg/kg	0.863	0.179	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Barium, Total	37.0		mg/kg	0.863	0.150	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Beryllium, Total	0.155	J	mg/kg	0.431	0.029	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.863	0.085	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Calcium, Total	41400		mg/kg	8.63	3.02	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Chromium, Total	8.70		mg/kg	0.863	0.083	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Cobalt, Total	3.49		mg/kg	1.72	0.143	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Copper, Total	29.4		mg/kg	0.863	0.222	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Iron, Total	25200		mg/kg	4.31	0.779	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Lead, Total	31.9		mg/kg	4.31	0.231	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Magnesium, Total	11400		mg/kg	8.63	1.33	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Manganese, Total	295		mg/kg	0.863	0.137	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Mercury, Total	0.07	J	mg/kg	0.09	0.02	1	12/19/17 16:58	12/19/17 20:02	EPA 7471B	1,7471B	EA
Nickel, Total	13.9		mg/kg	2.16	0.209	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Potassium, Total	429		mg/kg	216	12.4	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.72	0.222	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.863	0.244	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Sodium, Total	91.8	J	mg/kg	172	2.72	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.72	0.272	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Vanadium, Total	8.26		mg/kg	0.863	0.175	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS
Zinc, Total	115		mg/kg	4.31	0.253	2	12/15/17 21:15	12/18/17 13:35	EPA 3050B	1,6010C	PS

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-06
Client ID: SB8 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil
Percent Solids: 88%

Date Collected: 12/12/17 11:25
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7000		mg/kg	8.52	2.30	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	4.26	0.324	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Arsenic, Total	4.03		mg/kg	0.852	0.177	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Barium, Total	80.9		mg/kg	0.852	0.148	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Beryllium, Total	1.10		mg/kg	0.426	0.028	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Cadmium, Total	0.375	J	mg/kg	0.852	0.084	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Calcium, Total	76700		mg/kg	8.52	2.98	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Chromium, Total	12.6		mg/kg	0.852	0.082	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Cobalt, Total	2.48		mg/kg	1.70	0.142	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Copper, Total	35.7		mg/kg	0.852	0.220	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Iron, Total	12700		mg/kg	4.26	0.770	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Lead, Total	145		mg/kg	4.26	0.228	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Magnesium, Total	6340		mg/kg	8.52	1.31	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Manganese, Total	820		mg/kg	0.852	0.136	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Mercury, Total	0.09		mg/kg	0.08	0.02	1	12/19/17 16:58	12/19/17 20:04	EPA 7471B	1,7471B	EA
Nickel, Total	8.61		mg/kg	2.13	0.206	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Potassium, Total	573		mg/kg	213	12.3	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Selenium, Total	0.520	J	mg/kg	1.70	0.220	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.852	0.241	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Sodium, Total	299		mg/kg	170	2.68	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.70	0.268	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Vanadium, Total	8.28		mg/kg	0.852	0.173	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS
Zinc, Total	140		mg/kg	4.26	0.250	2	12/15/17 21:15	12/18/17 13:39	EPA 3050B	1,6010C	PS

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-07
Client ID: SB10 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil
Percent Solids: 83%

Date Collected: 12/12/17 11:55
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7040		mg/kg	9.22	2.49	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Antimony, Total	4.69		mg/kg	4.61	0.350	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Arsenic, Total	13.8		mg/kg	0.922	0.192	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Barium, Total	216		mg/kg	0.922	0.160	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Beryllium, Total	0.590		mg/kg	0.461	0.030	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Cadmium, Total	0.387	J	mg/kg	0.922	0.090	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Calcium, Total	21600		mg/kg	9.22	3.23	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Chromium, Total	21.8		mg/kg	0.922	0.089	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Cobalt, Total	11.4		mg/kg	1.84	0.153	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Copper, Total	320		mg/kg	0.922	0.238	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Iron, Total	106000		mg/kg	46.1	8.33	20	12/15/17 21:15	12/18/17 18:55	EPA 3050B	1,6010C	AB
Lead, Total	735		mg/kg	4.61	0.247	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Magnesium, Total	2970		mg/kg	9.22	1.42	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Manganese, Total	749		mg/kg	0.922	0.147	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Mercury, Total	0.27		mg/kg	0.09	0.02	1	12/19/17 16:58	12/19/17 20:09	EPA 7471B	1,7471B	EA
Nickel, Total	81.7		mg/kg	2.31	0.223	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Potassium, Total	705		mg/kg	231	13.3	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.84	0.238	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.922	0.261	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Sodium, Total	199		mg/kg	184	2.90	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.84	0.290	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Vanadium, Total	31.9		mg/kg	0.922	0.187	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS
Zinc, Total	554		mg/kg	4.61	0.270	2	12/15/17 21:15	12/18/17 14:47	EPA 3050B	1,6010C	PS

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-08
Client ID: SB12 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil
Percent Solids: 78%

Date Collected: 12/12/17 11:30
Date Received: 12/13/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6760		mg/kg	9.92	2.68	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Antimony, Total	5.97		mg/kg	4.96	0.377	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Arsenic, Total	15.3		mg/kg	0.992	0.206	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Barium, Total	156		mg/kg	0.992	0.172	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Beryllium, Total	0.754		mg/kg	0.496	0.033	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.992	0.097	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Calcium, Total	10200		mg/kg	9.92	3.47	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Chromium, Total	14.7		mg/kg	0.992	0.095	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Cobalt, Total	7.90		mg/kg	1.98	0.165	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Copper, Total	358		mg/kg	0.992	0.256	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Iron, Total	39900		mg/kg	4.96	0.896	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Lead, Total	311		mg/kg	4.96	0.266	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Magnesium, Total	1830		mg/kg	9.92	1.53	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Manganese, Total	520		mg/kg	0.992	0.158	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Mercury, Total	0.14		mg/kg	0.10	0.02	1	12/19/17 16:58	12/19/17 20:11	EPA 7471B	1,7471B	EA
Nickel, Total	78.3		mg/kg	2.48	0.240	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Potassium, Total	828		mg/kg	248	14.3	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.98	0.256	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.992	0.281	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Sodium, Total	201		mg/kg	198	3.12	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.98	0.312	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Vanadium, Total	23.3		mg/kg	0.992	0.201	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS
Zinc, Total	352		mg/kg	4.96	0.291	2	12/15/17 21:15	12/18/17 14:51	EPA 3050B	1,6010C	PS

Project Name: PH. II ESA
Project Number: E1646
Lab Number: L1746058
Report Date: 12/21/17

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): 03,05-08 Batch: WG1073340-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Arsenic, Total	0.084	J	mg/kg	0.400	0.083	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Iron, Total	ND		mg/kg	2.00	0.361	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.76	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Sodium, Total	ND		mg/kg	80.0	1.26	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/15/17 21:15	12/18/17 13:06	1,6010C	PS

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): 03,05-08 Batch: WG1074485-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	12/19/17 16:58	12/19/17 19:24	1,7471B	EA

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

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: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05-08 Batch: WG1073340-2 SRM Lot Number: D098-540								
Aluminum, Total	82		-		47-153	-		
Antimony, Total	143		-		6-194	-		
Arsenic, Total	105		-		83-117	-		
Barium, Total	102		-		82-118	-		
Beryllium, Total	100		-		83-117	-		
Cadmium, Total	99		-		82-117	-		
Calcium, Total	96		-		81-118	-		
Chromium, Total	101		-		83-119	-		
Cobalt, Total	100		-		84-116	-		
Copper, Total	101		-		84-116	-		
Iron, Total	105		-		60-140	-		
Lead, Total	101		-		82-117	-		
Magnesium, Total	87		-		76-124	-		
Manganese, Total	94		-		82-118	-		
Nickel, Total	98		-		82-117	-		
Potassium, Total	90		-		69-131	-		
Selenium, Total	102		-		78-121	-		
Silver, Total	105		-		80-120	-		
Sodium, Total	96		-		74-126	-		
Thallium, Total	102		-		80-119	-		
Vanadium, Total	101		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05-08 Batch: WG1073340-2 SRM Lot Number: D098-540					
Zinc, Total	100	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 03,05-08 Batch: WG1074485-2 SRM Lot Number: D098-540					
Mercury, Total	102	-	50-149	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

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): 03,05-08 QC Batch ID: WG1073340-3 QC Sample: L1746131-01 Client ID: MS Sample												
Aluminum, Total	9300	227	9700	**176**	Q	-	-		75-125	-		20
Antimony, Total	1.10J	56.8	51.6	91		-	-		75-125	-		20
Arsenic, Total	6.30	13.6	19.5	97		-	-		75-125	-		20
Barium, Total	78.4	227	279	88		-	-		75-125	-		20
Beryllium, Total	0.304	5.68	5.19	86		-	-		75-125	-		20
Cadmium, Total	1.70	5.8	6.69	86		-	-		75-125	-		20
Calcium, Total	3890	1140	4350	**40**	Q	-	-		75-125	-		20
Chromium, Total	92.0	22.7	131	**172**	Q	-	-		75-125	-		20
Cobalt, Total	5.92	56.8	54.6	86		-	-		75-125	-		20
Copper, Total	17.4	28.4	45.9	100		-	-		75-125	-		20
Iron, Total	10200	114	10700	**440**	Q	-	-		75-125	-		20
Lead, Total	3820	58	4260	**759**	Q	-	-		75-125	-		20
Magnesium, Total	1820	1140	2770	84		-	-		75-125	-		20
Manganese, Total	179.	56.8	228	86		-	-		75-125	-		20
Nickel, Total	11.3	56.8	59.0	84		-	-		75-125	-		20
Potassium, Total	845.	1140	1880	91		-	-		75-125	-		20
Selenium, Total	0.608J	13.6	14.5	106		-	-		75-125	-		20
Silver, Total	ND	34.1	33.9	99		-	-		75-125	-		20
Sodium, Total	97.9J	1140	1220	107		-	-		75-125	-		20
Thallium, Total	ND	13.6	11.4	84		-	-		75-125	-		20
Vanadium, Total	24.4	56.8	76.2	91		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

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): 03,05-08 QC Batch ID: WG1073340-3 QC Sample: L1746131-01 Client ID: MS Sample											
Zinc, Total	1450	56.8	1490	**70**	Q	-	-		75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03,05-08 QC Batch ID: WG1074485-3 WG1074485-4 QC Sample: L1746039-10 Client ID: MS Sample											
Mercury, Total	0.08J	0.155	0.23	**148**	Q	0.27	**152**	Q	80-120	16	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,05-08 QC Batch ID: WG1073340-4 QC Sample: L1746131-01 Client ID: DUP Sample						
Lead, Total	3820	4480	mg/kg	16		20

INORGANICS
&
MISCELLANEOUS

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-03
Client ID: SB2 (0.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil

Date Collected: 12/12/17 09:15
Date Received: 12/13/17
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	81.7		%	0.100	NA	1	-	12/15/17 15:06	121,2540G	RI

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-04
Client ID: SB3 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil

Date Collected: 12/12/17 09:45
Date Received: 12/13/17
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	-	12/15/17 15:06	121,2540G	RI

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-05
Client ID: SB6 (1.5-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil

Date Collected: 12/12/17 10:40
Date Received: 12/13/17
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	91.7		%	0.100	NA	1	-	12/15/17 15:06	121,2540G	RI

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-06
Client ID: SB8 (0.5-2')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil

Date Collected: 12/12/17 11:25
Date Received: 12/13/17
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	88.2		%	0.100	NA	1	-	12/16/17 07:50	121,2540G	RI

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-07
Client ID: SB10 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil

Date Collected: 12/12/17 11:55
Date Received: 12/13/17
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	83.0		%	0.100	NA	1	-	12/15/17 15:06	121,2540G	RI

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

SAMPLE RESULTS

Lab ID: L1746058-08
Client ID: SB12 (0-3')
Sample Location: 27-37 CHANDLER ST., BUFFALO, N
Matrix: Soil

Date Collected: 12/12/17 11:30
Date Received: 12/13/17
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	78.4		%	0.100	NA	1	-	12/15/17 15:06	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-05,07-08 QC Batch ID: WG1073201-1 QC Sample: L1743216-11 Client ID: DUP Sample						
Solids, Total	87.7	89.4	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 06 QC Batch ID: WG1073456-1 QC Sample: L1746527-01 Client ID: DUP Sample						
Solids, Total	65.7	66.5	%	1		20

Project Name: PH. II ESA
Project Number: E1646

Lab Number: L1746058
Report Date: 12/21/17

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(*)
L1746058-01A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-01B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-01C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-01D	Amber 1000ml unpreserved	A	7	7	2.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1746058-01E	Amber 1000ml unpreserved	A	7	7	2.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1746058-02A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-02B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-02C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-02D	Amber 1000ml unpreserved	A	7	7	2.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1746058-02E	Amber 1000ml unpreserved	A	7	7	2.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1746058-03A	Glass 120ml/4oz unpreserved	A	NA		2.9	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)
L1746058-03B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-03C	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1746058-03X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-03Y	Vial Water preserved split	A	NA		2.9	Y	Absent	**19-DEC-17 07:08**	NYTCL-8260-R2(14)
L1746058-03Z	Vial Water preserved split	A	NA		2.9	Y	Absent	**18-DEC-17 13:50**	NYTCL-8260-R2(14)
L1746058-04A	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-04B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L1746058-04X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-04Y	Vial Water preserved split	A	NA		2.9	Y	Absent	**19-DEC-17 07:08**	NYTCL-8260-R2(14)
L1746058-04Z	Vial Water preserved split	A	NA		2.9	Y	Absent	**18-DEC-17 13:50**	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(*)
L1746058-05A	Glass 120ml/4oz unpreserved	A	NA		2.9	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)
L1746058-05B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-05C	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1746058-05D	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1746058-05X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-05Y	Vial Water preserved split	A	NA		2.9	Y	Absent	**18-DEC-17 13:50**	NYTCL-8260-R2(14)
L1746058-05Z	Vial Water preserved split	A	NA		2.9	Y	Absent	**18-DEC-17 13:50**	NYTCL-8260-R2(14)
L1746058-06A	Glass 120ml/4oz unpreserved	A	NA		2.9	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)
L1746058-06B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8260-R2(14),TS(7)
L1746058-06X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1746058-06Y	Vial Water preserved split	A	NA		2.9	Y	Absent	**18-DEC-17 13:50**	NYTCL-8260-R2(14)
L1746058-06Z	Vial Water preserved split	A	NA		2.9	Y	Absent	**18-DEC-17 13:50**	NYTCL-8260-R2(14)
L1746058-07A	Glass 120ml/4oz unpreserved	A	NA		2.9	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)
L1746058-07B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1746058-07C	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1746058-08A	Glass 120ml/4oz unpreserved	A	NA		2.9	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)
L1746058-08B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1746058-08C	Glass 120ml/4oz unpreserved	A	NA		2.9	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:**	L1746058
Project Number:	E1646	**Report Date:**	12/21/17

GLOSSARY

Acronyms

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).
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.
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.
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.
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

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.

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	PH. II ESA	**Lab Number:**	L1746058
Project Number:	E1646	**Report Date:**	12/21/17

Data Qualifiers

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.

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

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.

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).

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	PH. II ESA	**Lab Number:**	L1746058
Project Number:	E1646	**Report Date:**	12/21/17

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: 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 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

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

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, Pb, Mn, Ni, Se, Ag, 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: 12/14/17

ALPHA Job #: L1746058

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

Project Information
Project Name: Ph. II ESA
Project Location: 27-37 Chandler St. Buffalo, NY
Project # e1646
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5 day Firm

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.

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 + STARS	SVOC 8270 TCL + STARS	VOC 8260 TCL + STARS	SVOC 8270 TCL	TAL Metals	T. PCBs			Sample Specific Comments	Total Bottle
46058-01	SB7	12/12/17	2:30pm	GW	EB	X	X								5
02	SB11	12/12/17	3:00pm	GW	EB	X	X								5
03	SB2 (0.5-3')	12/12/17	9:15am	Soil	EB			X	X	X	X				3
04	SB3 (0.5-2')	12/12/17	9:45am	Soil	EB			X	X						2
05	SB6 (1.5-3')	12/1217	10:40am	Soil	EB			X	X	X	X				4
06	SB8 (0.5-2')	12/12/17	11:25am	Soil	EB			X	X	X					2
07	SB10 (0-3')	12/12/17	11:55am	Soil	EB				X	X	X				3
08	SB12 (0-3')	12/12/17	1:30pm	Soil	EB				X	X	X				3
Container Type						V	A	A	A	A	A				
Preservative						B	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
	12/13/17 1700		12/13/17 1700
	12/13/17 17:30		12/14/17 0825

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)