

APPENDIX I
ANALYTICAL REPORTS
(SUB-SLAB SOIL)



ANALYTICAL REPORT

Lab Number:	L1911987
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	HAMILTON HILL II TA1 SITE
Project Number:	16.6334
Report Date:	04/02/19

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

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Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1911987-01	EB01_190326	WATER	SCHENECTADY, NY	03/26/19 12:00	03/26/19
L1911987-02	RIHA1_0-1.5	SOIL	SCHENECTADY, NY	03/26/19 13:40	03/26/19
L1911987-03	RIHA2_0-1.5	SOIL	SCHENECTADY, NY	03/26/19 13:55	03/26/19
L1911987-04	RIHA3_0-1.5	SOIL	SCHENECTADY, NY	03/26/19 14:15	03/26/19
L1911987-05	FD01_190326	SOIL	SCHENECTADY, NY	03/26/19 00:00	03/26/19

Project Name: HAMILTON HILL II TA1 SITE
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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. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

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

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

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

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Case Narrative (continued)

Report Submission

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

Total Metals

L1911987-02 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1221643 CCV recovery, associated with L1911987-01, was above the acceptance criteria for magnesium. Any associated samples with positive detections were re-analyzed under a passing CCV. The samples that were non-detect for this element are reporting results from the original analyses.

Cyanide, Total

The WG1220169-2/-3 LCS/LCSD recoveries (64%/68%), associated with L1911987-02 through -05, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative

Date: 04/02/19

ORGANICS

VOLATILES

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-01
Client ID: EB01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 12:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/30/19 18:43
Analyst: PD

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

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-01**Date Collected:** 03/26/19 12:00**Client ID:** EB01_190326**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	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
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	95		70-130

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-02
Client ID: RIHA1_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:40
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/01/19 14:22
Analyst: PK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	3.1		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-02**Date Collected:** 03/26/19 13:40**Client ID:** RIHA1_0-1.5**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	81	36.	1
Freon-113	ND		ug/kg	4.0	0.70	1
Methyl cyclohexane	ND		ug/kg	4.0	0.61	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-03
 Client ID: RIHA2_0-1.5
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:55
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/01/19 14:47
 Analyst: PK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.88	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.24	1
Tetrachloroethene	0.78		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-03**Date Collected:** 03/26/19 13:55**Client ID:** RIHA2_0-1.5**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.49	1
o-Xylene	ND		ug/kg	0.88	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.15	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.81	1
Acetone	ND		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	ND		ug/kg	8.8	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
2-Hexanone	ND		ug/kg	8.8	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.88	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.88	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
Methyl Acetate	ND		ug/kg	3.5	0.84	1
Cyclohexane	ND		ug/kg	8.8	0.48	1
1,4-Dioxane	ND		ug/kg	70	31.	1
Freon-113	ND		ug/kg	3.5	0.61	1
Methyl cyclohexane	ND		ug/kg	3.5	0.53	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-04
 Client ID: RIHA3_0-1.5
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 14:15
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/01/19 23:31
 Analyst: NLK
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	0.74		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-04**Date Collected:** 03/26/19 14:15**Client ID:** RIHA3_0-1.5**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.17	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	19		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.95	1
Cyclohexane	ND		ug/kg	10	0.54	1
1,4-Dioxane	ND		ug/kg	80	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Tentatively Identified Compounds

Total TIC Compounds	2.80	J	ug/kg	1
Unknown	2.80	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-05
 Client ID: FD01_190326
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 00:00
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/01/19 15:38
 Analyst: PK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	2.3		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-05
Client ID: FD01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 00:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	8.8	J	ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.96	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	81	36.	1
Freon-113	ND		ug/kg	4.1	0.70	1
Methyl cyclohexane	ND		ug/kg	4.1	0.61	1

Tentatively Identified Compounds

Total TIC Compounds	3.38	J	ug/kg	1
Unknown	3.38	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/19 08:26
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05 Batch: WG1221723-10					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/19 08:26
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05 Batch: WG1221723-10					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.21	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Tentatively Identified Compounds

Total TIC Compounds 2.77 J ug/kg

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/19 08:26
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05 Batch: WG1221723-10					

Tentatively Identified Compounds

Unknown	2.77	J	ug/kg
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Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/30/19 12:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1221773-5					
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
1,1,1,2-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: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/30/19 12:46
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1221773-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/30/19 12:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1221773-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1222110-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1222110-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/01/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1222110-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1221723-8 WG1221723-9								
Methylene chloride	91		87		70-130	4		30
1,1-Dichloroethane	97		93		70-130	4		30
Chloroform	103		99		70-130	4		30
Carbon tetrachloride	103		100		70-130	3		30
1,2-Dichloropropane	93		90		70-130	3		30
Dibromochloromethane	94		89		70-130	5		30
1,1,2-Trichloroethane	92		91		70-130	1		30
Tetrachloroethene	93		88		70-130	6		30
Chlorobenzene	89		86		70-130	3		30
Trichlorofluoromethane	106		100		70-139	6		30
1,2-Dichloroethane	101		100		70-130	1		30
1,1,1-Trichloroethane	102		97		70-130	5		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	98		94		70-130	4		30
cis-1,3-Dichloropropene	98		95		70-130	3		30
Bromoform	96		93		70-130	3		30
1,1,2,2-Tetrachloroethane	89		86		70-130	3		30
Benzene	95		92		70-130	3		30
Toluene	93		89		70-130	4		30
Ethylbenzene	93		89		70-130	4		30
Chloromethane	84		80		52-130	5		30
Bromomethane	132		132		57-147	0		30
Vinyl chloride	88		84		67-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1221723-8 WG1221723-9								
Chloroethane	100		95		50-151	5		30
1,1-Dichloroethene	92		90		65-135	2		30
trans-1,2-Dichloroethene	96		91		70-130	5		30
Trichloroethene	94		90		70-130	4		30
1,2-Dichlorobenzene	89		86		70-130	3		30
1,3-Dichlorobenzene	90		86		70-130	5		30
1,4-Dichlorobenzene	88		86		70-130	2		30
Methyl tert butyl ether	103		100		66-130	3		30
p/m-Xylene	90		86		70-130	5		30
o-Xylene	90		86		70-130	5		30
cis-1,2-Dichloroethene	95		91		70-130	4		30
Styrene	89		87		70-130	2		30
Dichlorodifluoromethane	88		84		30-146	5		30
Acetone	109		91		54-140	18		30
Carbon disulfide	92		88		59-130	4		30
2-Butanone	98		92		70-130	6		30
4-Methyl-2-pentanone	92		86		70-130	7		30
2-Hexanone	90		87		70-130	3		30
Bromochloromethane	98		94		70-130	4		30
1,2-Dibromoethane	93		90		70-130	3		30
1,2-Dibromo-3-chloropropane	91		90		68-130	1		30
Isopropylbenzene	89		85		70-130	5		30
1,2,3-Trichlorobenzene	94		91		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05 Batch: WG1221723-8 WG1221723-9								
1,2,4-Trichlorobenzene	94		91		70-130	3		30
Methyl Acetate	93		90		51-146	3		30
Cyclohexane	88		84		59-142	5		30
1,4-Dioxane	107		102		65-136	5		30
Freon-113	97		92		50-139	5		30
Methyl cyclohexane	94		89		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1221773-3 WG1221773-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	97		110		63-132	13		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	91		94		63-130	3		20
1,1,2-Trichloroethane	98		99		70-130	1		20
Tetrachloroethene	91		96		70-130	5		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	94		100		62-150	6		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	85		88		54-136	3		20
1,1,2,2-Tetrachloroethane	95		98		67-130	3		20
Benzene	100		110		70-130	10		20
Toluene	97		100		70-130	3		20
Ethylbenzene	96		100		70-130	4		20
Chloromethane	88		95		64-130	8		20
Bromomethane	40		38	Q	39-139	5		20
Vinyl chloride	100		110		55-140	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1221773-3 WG1221773-4								
Chloroethane	90		99		55-138	10		20
1,1-Dichloroethene	94		100		61-145	6		20
trans-1,2-Dichloroethene	95		100		70-130	5		20
Trichloroethene	95		99		70-130	4		20
1,2-Dichlorobenzene	90		95		70-130	5		20
1,3-Dichlorobenzene	91		96		70-130	5		20
1,4-Dichlorobenzene	92		96		70-130	4		20
Methyl tert butyl ether	96		97		63-130	1		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	95		100		70-130	5		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	98		110		36-147	12		20
Acetone	110		100		58-148	10		20
Carbon disulfide	97		100		51-130	3		20
2-Butanone	98		91		63-138	7		20
4-Methyl-2-pentanone	82		84		59-130	2		20
2-Hexanone	82		89		57-130	8		20
Bromochloromethane	94		97		70-130	3		20
1,2-Dibromoethane	91		94		70-130	3		20
1,2-Dibromo-3-chloropropane	75		78		41-144	4		20
Isopropylbenzene	94		100		70-130	6		20
1,2,3-Trichlorobenzene	79		84		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1221773-3 WG1221773-4								
1,2,4-Trichlorobenzene	80		84		70-130	5		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		110		70-130	10		20
1,4-Dioxane	22	Q	50	Q	56-162	78	Q	20
Freon-113	97		100		70-130	3		20
Methyl cyclohexane	94		100		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1222110-3 WG1222110-4								
Methylene chloride	86		85		70-130	1		30
1,1-Dichloroethane	95		93		70-130	2		30
Chloroform	103		100		70-130	3		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	90		87		70-130	3		30
Dibromochloromethane	89		89		70-130	0		30
1,1,2-Trichloroethane	87		87		70-130	0		30
Tetrachloroethene	88		83		70-130	6		30
Chlorobenzene	84		82		70-130	2		30
Trichlorofluoromethane	108		105		70-139	3		30
1,2-Dichloroethane	106		105		70-130	1		30
1,1,1-Trichloroethane	104		100		70-130	4		30
Bromodichloromethane	99		99		70-130	0		30
trans-1,3-Dichloropropene	94		92		70-130	2		30
cis-1,3-Dichloropropene	96		93		70-130	3		30
Bromoform	89		90		70-130	1		30
1,1,2,2-Tetrachloroethane	82		81		70-130	1		30
Benzene	91		89		70-130	2		30
Toluene	86		84		70-130	2		30
Ethylbenzene	88		86		70-130	2		30
Chloromethane	86		83		52-130	4		30
Bromomethane	145		139		57-147	4		30
Vinyl chloride	84		82		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1222110-3 WG1222110-4								
Chloroethane	94		92		50-151	2		30
1,1-Dichloroethene	87		84		65-135	4		30
trans-1,2-Dichloroethene	90		85		70-130	6		30
Trichloroethene	93		90		70-130	3		30
1,2-Dichlorobenzene	82		82		70-130	0		30
1,3-Dichlorobenzene	82		83		70-130	1		30
1,4-Dichlorobenzene	82		81		70-130	1		30
Methyl tert butyl ether	101		98		66-130	3		30
p/m-Xylene	84		83		70-130	1		30
o-Xylene	85		83		70-130	2		30
cis-1,2-Dichloroethene	91		88		70-130	3		30
Styrene	85		83		70-130	2		30
Dichlorodifluoromethane	86		82		30-146	5		30
Acetone	107		103		54-140	4		30
Carbon disulfide	88		84		59-130	5		30
2-Butanone	101		96		70-130	5		30
4-Methyl-2-pentanone	87		84		70-130	4		30
2-Hexanone	92		88		70-130	4		30
Bromochloromethane	93		89		70-130	4		30
1,2-Dibromoethane	87		86		70-130	1		30
1,2-Dibromo-3-chloropropane	88		86		68-130	2		30
Isopropylbenzene	81		82		70-130	1		30
1,2,3-Trichlorobenzene	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1222110-3 WG1222110-4								
1,2,4-Trichlorobenzene	86		86		70-130	0		30
Methyl Acetate	94		92		51-146	2		30
Cyclohexane	84		81		59-142	4		30
1,4-Dioxane	108		105		65-136	3		30
Freon-113	92		88		50-139	4		30
Methyl cyclohexane	86		84		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		117		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	106		105		70-130

SEMIVOLATILES

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-01
Client ID: EB01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 12:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/01/19 12:58
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 03/30/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-01

Date Collected: 03/26/19 12:00

Client ID: EB01_190326

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-01
Client ID: EB01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 12:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	37.9	J	ug/l	1
Unknown Phenol	7.24	J	ug/l	1
Aldol Condensates	30.7	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	100		41-149

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-02
 Client ID: RIHA1_0-1.5
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:40
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/31/19 14:29
 Analyst: RC
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/30/19 03:14

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	ND		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	ND		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	ND		ug/kg	190	64.	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	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-02**Date Collected:** 03/26/19 13:40**Client ID:** RIHA1_0-1.5**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		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	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	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	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	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	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	ND		ug/kg	240	50.	1

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-02
Client ID: RIHA1_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:40
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Tentatively Identified Compounds

Total TIC Compounds	166	J	ug/kg			1
Unknown Amide	166	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	75		18-120

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-03
 Client ID: RIHA2_0-1.5
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:55
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/31/19 14:55
 Analyst: RC
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/30/19 03:14

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	49.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		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	ND		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	ND		ug/kg	190	64.	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	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-03**Date Collected:** 03/26/19 13:55**Client ID:** RIHA2_0-1.5**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		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	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	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	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	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	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	ND		ug/kg	240	50.	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-03**Date Collected:** 03/26/19 13:55**Client ID:** RIHA2_0-1.5**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	125		10-136
4-Terphenyl-d14	72		18-120

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-04
 Client ID: RIHA3_0-1.5
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 14:15
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/31/19 21:47
 Analyst: RC
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 03/30/19 14:58

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	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	ND		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	ND		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	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-04**Date Collected:** 03/26/19 14:15**Client ID:** RIHA3_0-1.5**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		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	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		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	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-04
Client ID: RIHA3_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 14:15
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	38.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	65		18-120

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-05
 Client ID: FD01_190326
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 00:00
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 03/31/19 15:21
 Analyst: RC
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/30/19 03:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-05
Client ID: FD01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 00:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-05**Date Collected:** 03/26/19 00:00**Client ID:** FD01_190326**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Tentatively Identified Compounds

Total TIC Compounds	260	J	ug/kg			1
Unknown	260	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	121		10-136
4-Terphenyl-d14	77		18-120

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/31/19 13:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/30/19 03:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1221298-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/31/19 13:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/30/19 03:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1221298-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/31/19 13:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/30/19 03:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1221298-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
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	220	44.
Caprolactam	ND		ug/kg	160	50.
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	99		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	125		10-136
4-Terphenyl-d14	109		18-120

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/01/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/30/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1221421-1					
Acenaphthene	ND		ug/l	2.0	0.44
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/01/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/30/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1221421-1					
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/01/19 09:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 03/30/19 15:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1221421-1					
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Tentatively Identified Compounds

Total TIC Compounds	34.3	J	ug/l
Aldol Condensates	34.3	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	92		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1221298-2 WG1221298-3								
Acenaphthene	103		109		31-137	6		50
Hexachlorobenzene	118		121		40-140	3		50
Bis(2-chloroethyl)ether	80		92		40-140	14		50
2-Chloronaphthalene	92		95		40-140	3		50
3,3'-Dichlorobenzidine	82		83		40-140	1		50
2,4-Dinitrotoluene	116		120		40-132	3		50
2,6-Dinitrotoluene	106		104		40-140	2		50
Fluoranthene	103		103		40-140	0		50
4-Chlorophenyl phenyl ether	105		109		40-140	4		50
4-Bromophenyl phenyl ether	114		119		40-140	4		50
Bis(2-chloroisopropyl)ether	88		92		40-140	4		50
Bis(2-chloroethoxy)methane	87		91		40-117	4		50
Hexachlorobutadiene	88		93		40-140	6		50
Hexachlorocyclopentadiene	102		107		40-140	5		50
Hexachloroethane	84		91		40-140	8		50
Isophorone	89		94		40-140	5		50
Naphthalene	88		94		40-140	7		50
Nitrobenzene	84		91		40-140	8		50
NDPA/DPA	110		114		36-157	4		50
n-Nitrosodi-n-propylamine	85		89		32-121	5		50
Bis(2-ethylhexyl)phthalate	125		129		40-140	3		50
Butyl benzyl phthalate	113		113		40-140	0		50
Di-n-butylphthalate	110		110		40-140	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1221298-2 WG1221298-3								
Di-n-octylphthalate	129		132		40-140	2		50
Diethyl phthalate	110		114		40-140	4		50
Dimethyl phthalate	98		100		40-140	2		50
Benzo(a)anthracene	105		109		40-140	4		50
Benzo(a)pyrene	124		128		40-140	3		50
Benzo(b)fluoranthene	114		115		40-140	1		50
Benzo(k)fluoranthene	129		128		40-140	1		50
Chrysene	108		110		40-140	2		50
Acenaphthylene	96		99		40-140	3		50
Anthracene	100		102		40-140	2		50
Benzo(ghi)perylene	101		102		40-140	1		50
Fluorene	106		111		40-140	5		50
Phenanthrene	92		94		40-140	2		50
Dibenzo(a,h)anthracene	101		101		40-140	0		50
Indeno(1,2,3-cd)pyrene	99		102		40-140	3		50
Pyrene	100		100		35-142	0		50
Biphenyl	100		102		54-104	2		50
4-Chloroaniline	53		79		40-140	39		50
2-Nitroaniline	108		107		47-134	1		50
3-Nitroaniline	85		94		26-129	10		50
4-Nitroaniline	113		114		41-125	1		50
Dibenzofuran	101		107		40-140	6		50
2-Methylnaphthalene	92		95		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1221298-2 WG1221298-3								
1,2,4,5-Tetrachlorobenzene	88		95		40-117	8		50
Acetophenone	99		111		14-144	11		50
2,4,6-Trichlorophenol	103		102		30-130	1		50
p-Chloro-m-cresol	104	Q	106	Q	26-103	2		50
2-Chlorophenol	102		111	Q	25-102	8		50
2,4-Dichlorophenol	103		108		30-130	5		50
2,4-Dimethylphenol	117		121		30-130	3		50
2-Nitrophenol	104		110		30-130	6		50
4-Nitrophenol	111		112		11-114	1		50
2,4-Dinitrophenol	113		110		4-130	3		50
4,6-Dinitro-o-cresol	122		124		10-130	2		50
Pentachlorophenol	124	Q	134	Q	17-109	8		50
Phenol	90		98	Q	26-90	9		50
2-Methylphenol	103		112		30-130	8		50
3-Methylphenol/4-Methylphenol	103		107		30-130	4		50
2,4,5-Trichlorophenol	101		109		30-130	8		50
Carbazole	98		101		54-128	3		50
Atrazine	110		115		40-140	4		50
Benzaldehyde	94		100		40-140	6		50
Caprolactam	119		123		15-130	3		50
2,3,4,6-Tetrachlorophenol	122		123		40-140	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1221298-2 WG1221298-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	93		103		25-120
Phenol-d6	88		93		10-120
Nitrobenzene-d5	84		88		23-120
2-Fluorobiphenyl	84		88		30-120
2,4,6-Tribromophenol	123		130		10-136
4-Terphenyl-d14	99		100		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1221421-2 WG1221421-3								
Acenaphthene	72		74		37-111	3		30
Hexachlorobenzene	80		81		40-140	1		30
Bis(2-chloroethyl)ether	77		80		40-140	4		30
2-Chloronaphthalene	77		83		40-140	8		30
3,3'-Dichlorobenzidine	62		69		40-140	11		30
2,4-Dinitrotoluene	87		96		48-143	10		30
2,6-Dinitrotoluene	97		108		40-140	11		30
Fluoranthene	83		87		40-140	5		30
4-Chlorophenyl phenyl ether	82		81		40-140	1		30
4-Bromophenyl phenyl ether	88		83		40-140	6		30
Bis(2-chloroisopropyl)ether	79		83		40-140	5		30
Bis(2-chloroethoxy)methane	86		92		40-140	7		30
Hexachlorobutadiene	67		65		40-140	3		30
Hexachlorocyclopentadiene	62		66		40-140	6		30
Hexachloroethane	72		70		40-140	3		30
Isophorone	88		95		40-140	8		30
Naphthalene	71		70		40-140	1		30
Nitrobenzene	80		84		40-140	5		30
NDPA/DPA	85		91		40-140	7		30
n-Nitrosodi-n-propylamine	90		95		29-132	5		30
Bis(2-ethylhexyl)phthalate	105		110		40-140	5		30
Butyl benzyl phthalate	99		113		40-140	13		30
Di-n-butylphthalate	96		100		40-140	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1221421-2 WG1221421-3								
Di-n-octylphthalate	101		113		40-140	11		30
Diethyl phthalate	94		97		40-140	3		30
Dimethyl phthalate	84		94		40-140	11		30
Benzo(a)anthracene	86		86		40-140	0		30
Benzo(a)pyrene	84		90		40-140	7		30
Benzo(b)fluoranthene	87		90		40-140	3		30
Benzo(k)fluoranthene	78		86		40-140	10		30
Chrysene	79		78		40-140	1		30
Acenaphthylene	82		92		45-123	11		30
Anthracene	79		78		40-140	1		30
Benzo(ghi)perylene	77		82		40-140	6		30
Fluorene	80		81		40-140	1		30
Phenanthrene	74		75		40-140	1		30
Dibenzo(a,h)anthracene	81		85		40-140	5		30
Indeno(1,2,3-cd)pyrene	84		91		40-140	8		30
Pyrene	81		85		26-127	5		30
Biphenyl	87		94		40-140	8		30
4-Chloroaniline	68		77		40-140	12		30
2-Nitroaniline	84		91		52-143	8		30
3-Nitroaniline	73		84		25-145	14		30
4-Nitroaniline	84		96		51-143	13		30
Dibenzofuran	75		76		40-140	1		30
2-Methylnaphthalene	72		79		40-140	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1221421-2 WG1221421-3								
1,2,4,5-Tetrachlorobenzene	78		81		2-134	4		30
Acetophenone	90		94		39-129	4		30
2,4,6-Trichlorophenol	81		92		30-130	13		30
p-Chloro-m-cresol	89		99	Q	23-97	11		30
2-Chlorophenol	75		79		27-123	5		30
2,4-Dichlorophenol	90		98		30-130	9		30
2,4-Dimethylphenol	64		83		30-130	26		30
2-Nitrophenol	83		89		30-130	7		30
4-Nitrophenol	78		85	Q	10-80	9		30
2,4-Dinitrophenol	77		87		20-130	12		30
4,6-Dinitro-o-cresol	87		91		20-164	4		30
Pentachlorophenol	80		84		9-103	5		30
Phenol	61		66		12-110	8		30
2-Methylphenol	73		86		30-130	16		30
3-Methylphenol/4-Methylphenol	83		96		30-130	15		30
2,4,5-Trichlorophenol	89		96		30-130	8		30
Carbazole	84		89		55-144	6		30
Atrazine	109		115		40-140	5		30
Benzaldehyde	81		85		40-140	5		30
Caprolactam	53		60		10-130	12		30
2,3,4,6-Tetrachlorophenol	81		87		40-140	7		30

Lab Control Sample Analysis Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1221421-2 WG1221421-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		70		21-120
Phenol-d6	54		59		10-120
Nitrobenzene-d5	79		82		23-120
2-Fluorobiphenyl	76		82		15-120
2,4,6-Tribromophenol	80		84		10-120
4-Terphenyl-d14	82		88		41-149

PCBS

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-01
Client ID: EB01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 12:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/02/19 16:51
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 03/29/19 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 03/29/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	ND		ug/l	0.082	0.032	1	A
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	ND		ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-02
Client ID: RIHA1_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:40
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/02/19 06:28
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:47
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	3.30	1	A
Aroclor 1221	ND		ug/kg	37.2	3.73	1	A
Aroclor 1232	ND		ug/kg	37.2	7.88	1	A
Aroclor 1242	ND		ug/kg	37.2	5.01	1	A
Aroclor 1248	ND		ug/kg	37.2	5.58	1	A
Aroclor 1254	ND		ug/kg	37.2	4.07	1	A
Aroclor 1260	ND		ug/kg	37.2	6.87	1	A
Aroclor 1262	ND		ug/kg	37.2	4.72	1	A
Aroclor 1268	ND		ug/kg	37.2	3.85	1	A
PCBs, Total	ND		ug/kg	37.2	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-03
Client ID: RIHA2_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:55
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/02/19 06:41
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:47
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	3.28	1	A
Aroclor 1221	ND		ug/kg	36.9	3.70	1	A
Aroclor 1232	ND		ug/kg	36.9	7.83	1	A
Aroclor 1242	ND		ug/kg	36.9	4.98	1	A
Aroclor 1248	ND		ug/kg	36.9	5.54	1	A
Aroclor 1254	ND		ug/kg	36.9	4.04	1	A
Aroclor 1260	ND		ug/kg	36.9	6.83	1	A
Aroclor 1262	ND		ug/kg	36.9	4.69	1	A
Aroclor 1268	ND		ug/kg	36.9	3.83	1	A
PCBs, Total	ND		ug/kg	36.9	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-04
Client ID: RIHA3_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 14:15
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/02/19 07:58
Analyst: AWS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:47
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	3.19	1	A
Aroclor 1221	ND		ug/kg	35.9	3.60	1	A
Aroclor 1232	ND		ug/kg	35.9	7.61	1	A
Aroclor 1242	ND		ug/kg	35.9	4.84	1	A
Aroclor 1248	ND		ug/kg	35.9	5.38	1	A
Aroclor 1254	ND		ug/kg	35.9	3.93	1	A
Aroclor 1260	ND		ug/kg	35.9	6.63	1	A
Aroclor 1262	ND		ug/kg	35.9	4.56	1	A
Aroclor 1268	ND		ug/kg	35.9	3.72	1	A
PCBs, Total	ND		ug/kg	35.9	3.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-05
Client ID: FD01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 00:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/02/19 08:11
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:47
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.28	1	A
Aroclor 1221	ND		ug/kg	37.0	3.70	1	A
Aroclor 1232	ND		ug/kg	37.0	7.84	1	A
Aroclor 1242	ND		ug/kg	37.0	4.98	1	A
Aroclor 1248	ND		ug/kg	37.0	5.54	1	A
Aroclor 1254	ND		ug/kg	37.0	4.04	1	A
Aroclor 1260	ND		ug/kg	37.0	6.83	1	A
Aroclor 1262	ND		ug/kg	37.0	4.70	1	A
Aroclor 1268	ND		ug/kg	37.0	3.83	1	A
PCBs, Total	ND		ug/kg	37.0	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/02/19 08:58
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 03/29/19 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 03/29/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1221094-1						
Aroclor 1016	ND		ug/l	0.082	0.034	A
Aroclor 1221	ND		ug/l	0.082	0.066	A
Aroclor 1232	ND		ug/l	0.082	0.045	A
Aroclor 1242	ND		ug/l	0.082	0.038	A
Aroclor 1248	ND		ug/l	0.082	0.048	A
Aroclor 1254	ND		ug/l	0.082	0.039	A
Aroclor 1260	ND		ug/l	0.082	0.032	A
Aroclor 1262	ND		ug/l	0.082	0.034	A
Aroclor 1268	ND		ug/l	0.082	0.033	A
PCBs, Total	ND		ug/l	0.082	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/01/19 19:57
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:47
Cleanup Method: EPA 3665A
Cleanup Date: 03/30/19
Cleanup Method: EPA 3660B
Cleanup Date: 03/30/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-05 Batch: WG1221297-1						
Aroclor 1016	ND		ug/kg	32.0	2.85	A
Aroclor 1221	ND		ug/kg	32.0	3.21	A
Aroclor 1232	ND		ug/kg	32.0	6.79	A
Aroclor 1242	ND		ug/kg	32.0	4.32	A
Aroclor 1248	ND		ug/kg	32.0	4.81	A
Aroclor 1254	ND		ug/kg	32.0	3.51	A
Aroclor 1260	ND		ug/kg	32.0	5.92	A
Aroclor 1262	ND		ug/kg	32.0	4.07	A
Aroclor 1268	ND		ug/kg	32.0	3.32	A
PCBs, Total	ND		ug/kg	32.0	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1221094-2 WG1221094-3									
Aroclor 1016	75		69		40-140	8		50	A
Aroclor 1260	68		64		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		70		30-150	A
Decachlorobiphenyl	88		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		67		30-150	B
Decachlorobiphenyl	90		81		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1221297-2 WG1221297-3									
Aroclor 1016	82		85		40-140	4		50	A
Aroclor 1260	72		74		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	A
Decachlorobiphenyl	71		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		80		30-150	B
Decachlorobiphenyl	76		78		30-150	B

PESTICIDES

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-01
Client ID: EB01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 12:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/01/19 12:05
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 03/30/19 17:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-01**Date Collected:** 03/26/19 12:00**Client ID:** EB01_190326**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	32		30-150	B

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-02
 Client ID: RIHA1_0-1.5
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:40
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 04/01/19 12:17
 Analyst: KEG
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/30/19 02:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 04/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.750	0.335	1	A
Alpha-BHC	ND		ug/kg	0.750	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.682	1	A
Heptachlor	ND		ug/kg	0.900	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.634	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.750	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.788	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	B
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	ND		ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.750	0.357	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.45	1	A
cis-Chlordane	ND		ug/kg	2.25	0.627	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.96	1	A

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-02

Date Collected: 03/26/19 13:40

Client ID: RIHA1_0-1.5

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-03
 Client ID: RIHA2_0-1.5
 Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:55
 Date Received: 03/26/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 04/01/19 12:29
 Analyst: KEG
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/30/19 02:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 04/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.793	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND	IP	ug/kg	1.13	0.566	1	B
4,4'-DDE	ND	IP	ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND	IP	ug/kg	2.26	0.631	1	B
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-03

Date Collected: 03/26/19 13:55

Client ID: RIHA2_0-1.5

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-04
Client ID: RIHA3_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 14:15
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/01/19 12:40
Analyst: KEG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:25
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.746	0.333	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.678	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.783	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.559	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.638	1	A
4,4'-DDT	ND	IP	ug/kg	3.35	1.44	1	B
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.39	1	A
cis-Chlordane	ND		ug/kg	2.24	0.623	1	A
trans-Chlordane	ND		ug/kg	2.24	0.590	1	A
Chlordane	ND		ug/kg	14.5	5.93	1	A

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-04

Date Collected: 03/26/19 14:15

Client ID: RIHA3_0-1.5

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-05
Client ID: FD01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 00:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/01/19 12:52
Analyst: KEG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:25
Cleanup Method: EPA 3620B
Cleanup Date: 04/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	B
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.58	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS****Lab ID:** L1911987-05**Date Collected:** 03/26/19 00:00**Client ID:** FD01_190326**Date Received:** 03/26/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/31/19 17:18
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 03/30/19 02:25
Cleanup Method: EPA 3620B
Cleanup Date: 03/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-05 Batch: WG1221296-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.640	0.286	A
Alpha-BHC	ND		ug/kg	0.640	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.582	A
Heptachlor	ND		ug/kg	0.768	0.344	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.864	A
Endrin	ND		ug/kg	0.640	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.672	A
Endrin ketone	ND		ug/kg	1.54	0.395	A
Dieldrin	ND		ug/kg	0.960	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.355	A
4,4'-DDD	ND		ug/kg	1.54	0.548	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.513	A
Endosulfan sulfate	ND		ug/kg	0.640	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.896	A
Toxaphene	ND		ug/kg	28.8	8.06	A
cis-Chlordane	ND		ug/kg	1.92	0.535	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.5	5.09	A

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 03/31/19 17:18
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 03/30/19 02:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 03/31/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-05 Batch: WG1221296-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/01/19 10:07
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 03/30/19 17:27

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1221436-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/01/19 10:07
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 03/30/19 17:27

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1221436-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	38		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1221296-2 WG1221296-3									
Delta-BHC	80		77		30-150	4		30	A
Lindane	82		80		30-150	2		30	A
Alpha-BHC	82		75		30-150	9		30	A
Beta-BHC	75		79		30-150	5		30	A
Heptachlor	56		55		30-150	2		30	A
Aldrin	78		69		30-150	12		30	A
Heptachlor epoxide	82		81		30-150	1		30	A
Endrin	84		84		30-150	0		30	A
Endrin aldehyde	62		59		30-150	5		30	A
Endrin ketone	75		72		30-150	4		30	A
Dieldrin	83		77		30-150	8		30	A
4,4'-DDE	76		73		30-150	4		30	A
4,4'-DDD	80		76		30-150	5		30	A
4,4'-DDT	85		78		30-150	9		30	A
Endosulfan I	72		71		30-150	1		30	A
Endosulfan II	77		74		30-150	4		30	A
Endosulfan sulfate	63		64		30-150	2		30	A
Methoxychlor	78		75		30-150	4		30	A
cis-Chlordane	72		66		30-150	9		30	A
trans-Chlordane	81		76		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1221296-2 WG1221296-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		75		30-150	B
Decachlorobiphenyl	94		101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		63		30-150	A
Decachlorobiphenyl	92		87		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1221436-2 WG1221436-3									
Delta-BHC	69		69		30-150	1		20	A
Lindane	69		68		30-150	1		20	A
Alpha-BHC	72		71		30-150	1		20	A
Beta-BHC	65		65		30-150	1		20	A
Heptachlor	64		64		30-150	0		20	A
Aldrin	64		63		30-150	2		20	A
Heptachlor epoxide	68		68		30-150	1		20	A
Endrin	67		67		30-150	0		20	A
Endrin aldehyde	47		53		30-150	11		20	A
Endrin ketone	68		71		30-150	3		20	A
Dieldrin	68		69		30-150	2		20	A
4,4'-DDE	62		63		30-150	2		20	A
4,4'-DDD	62		63		30-150	1		20	A
4,4'-DDT	69		71		30-150	3		20	A
Endosulfan I	61		62		30-150	0		20	A
Endosulfan II	62		63		30-150	1		20	A
Endosulfan sulfate	65		66		30-150	3		20	A
Methoxychlor	67		71		30-150	5		20	A
cis-Chlordane	61		60		30-150	1		20	A
trans-Chlordane	62		64		30-150	3		20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1221436-2 WG1221436-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		63		30-150	A
Decachlorobiphenyl	50		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		63		30-150	B
Decachlorobiphenyl	55		65		30-150	B

METALS

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-01

Date Collected: 03/26/19 12:00

Client ID: EB01_190326

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Barium, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Calcium, Total	0.049	J	mg/l	0.100	0.035	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Copper, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Iron, Total	ND		mg/l	0.050	0.009	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Lead, Total	ND		mg/l	0.010	0.003	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/27/19 12:37	03/27/19 23:06	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Silver, Total	ND		mg/l	0.007	0.003	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Sodium, Total	0.129	J	mg/l	2.00	0.120	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	03/27/19 21:50	04/01/19 19:53	EPA 3005A	1,6010D	AB



Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-02

Date Collected: 03/26/19 13:40

Client ID: RIHA1_0-1.5

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2890		mg/kg	8.65	2.34	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Antimony, Total	0.329	J	mg/kg	4.32	0.329	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Arsenic, Total	1.80		mg/kg	0.865	0.180	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Barium, Total	8.15		mg/kg	0.865	0.150	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Beryllium, Total	0.156	J	mg/kg	0.432	0.029	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Cadmium, Total	0.476	J	mg/kg	0.865	0.085	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Calcium, Total	754		mg/kg	8.65	3.03	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Chromium, Total	4.34		mg/kg	0.865	0.083	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Cobalt, Total	3.10		mg/kg	1.73	0.144	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Copper, Total	8.16		mg/kg	0.865	0.223	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Iron, Total	8100		mg/kg	4.32	0.781	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Lead, Total	3.22	J	mg/kg	4.32	0.232	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Magnesium, Total	1180		mg/kg	8.65	1.33	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Manganese, Total	140		mg/kg	0.865	0.138	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.096	0.020	1	03/28/19 22:00	03/29/19 17:55	EPA 7471B	1,7471B	GD
Nickel, Total	6.74		mg/kg	2.16	0.209	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Potassium, Total	245		mg/kg	216	12.4	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.73	0.223	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.865	0.245	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Sodium, Total	19.4	J	mg/kg	173	2.72	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.73	0.272	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Vanadium, Total	6.96		mg/kg	0.865	0.176	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB
Zinc, Total	19.8		mg/kg	4.32	0.253	2	03/28/19 22:40	04/01/19 18:47	EPA 3050B	1,6010D	AB



Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-03

Date Collected: 03/26/19 13:55

Client ID: RIHA2_0-1.5

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2550		mg/kg	9.11	2.46	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.55	0.346	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Arsenic, Total	1.88		mg/kg	0.911	0.189	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Barium, Total	9.69		mg/kg	0.911	0.158	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Beryllium, Total	0.164	J	mg/kg	0.455	0.030	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Cadmium, Total	0.574	J	mg/kg	0.911	0.089	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Calcium, Total	1400		mg/kg	9.11	3.19	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Chromium, Total	4.19		mg/kg	0.911	0.087	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Cobalt, Total	3.06		mg/kg	1.82	0.151	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Copper, Total	10.6		mg/kg	0.911	0.235	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Iron, Total	7600		mg/kg	4.55	0.822	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Lead, Total	5.90		mg/kg	4.55	0.244	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Magnesium, Total	1150		mg/kg	9.11	1.40	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Manganese, Total	65.2		mg/kg	0.911	0.145	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.091	0.019	1	03/28/19 22:00	03/29/19 17:57	EPA 7471B	1,7471B	GD
Nickel, Total	6.82		mg/kg	2.28	0.220	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Potassium, Total	242		mg/kg	228	13.1	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.82	0.235	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.911	0.258	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Sodium, Total	30.8	J	mg/kg	182	2.87	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.82	0.287	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Vanadium, Total	7.10		mg/kg	0.911	0.185	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB
Zinc, Total	27.7		mg/kg	4.55	0.267	2	03/28/19 22:40	04/01/19 18:52	EPA 3050B	1,6010D	AB



Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-04

Date Collected: 03/26/19 14:15

Client ID: RIHA3_0-1.5

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2490		mg/kg	8.51	2.30	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Antimony, Total	0.332	J	mg/kg	4.25	0.323	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Arsenic, Total	2.20		mg/kg	0.851	0.177	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Barium, Total	9.74		mg/kg	0.851	0.148	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Beryllium, Total	0.179	J	mg/kg	0.425	0.028	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Cadmium, Total	0.613	J	mg/kg	0.851	0.083	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Calcium, Total	907		mg/kg	8.51	2.98	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Chromium, Total	3.80		mg/kg	0.851	0.082	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Cobalt, Total	3.15		mg/kg	1.70	0.141	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Copper, Total	8.54		mg/kg	0.851	0.220	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Iron, Total	7240		mg/kg	4.25	0.768	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Lead, Total	3.66	J	mg/kg	4.25	0.228	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Magnesium, Total	1090		mg/kg	8.51	1.31	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Manganese, Total	152		mg/kg	0.851	0.135	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.081	0.017	1	03/28/19 22:00	03/29/19 17:59	EPA 7471B	1,7471B	GD
Nickel, Total	7.43		mg/kg	2.13	0.206	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Potassium, Total	278		mg/kg	213	12.2	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.70	0.220	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.851	0.241	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Sodium, Total	33.0	J	mg/kg	170	2.68	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.70	0.268	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Vanadium, Total	6.65		mg/kg	0.851	0.173	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB
Zinc, Total	23.4		mg/kg	4.25	0.249	2	03/28/19 22:40	04/01/19 18:56	EPA 3050B	1,6010D	AB



Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1911987**Project Number:** 16.6334**Report Date:** 04/02/19**SAMPLE RESULTS**

Lab ID: L1911987-05

Date Collected: 03/26/19 00:00

Client ID: FD01_190326

Date Received: 03/26/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2160		mg/kg	8.91	2.40	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.46	0.338	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Arsenic, Total	1.63		mg/kg	0.891	0.185	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Barium, Total	5.96		mg/kg	0.891	0.155	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Beryllium, Total	0.116	J	mg/kg	0.446	0.029	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Cadmium, Total	0.508	J	mg/kg	0.891	0.087	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Calcium, Total	576		mg/kg	8.91	3.12	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Chromium, Total	3.39		mg/kg	0.891	0.086	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Cobalt, Total	2.79		mg/kg	1.78	0.148	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Copper, Total	6.34		mg/kg	0.891	0.230	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Iron, Total	6200		mg/kg	4.46	0.804	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Lead, Total	2.89	J	mg/kg	4.46	0.239	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Magnesium, Total	940		mg/kg	8.91	1.37	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Manganese, Total	116		mg/kg	0.891	0.142	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.073	0.015	1	03/29/19 07:00	03/29/19 16:09	EPA 7471B	1,7471B	GD
Nickel, Total	5.65		mg/kg	2.23	0.216	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Potassium, Total	191	J	mg/kg	223	12.8	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.78	0.230	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.891	0.252	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Sodium, Total	17.0	J	mg/kg	178	2.81	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.78	0.281	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Vanadium, Total	5.73		mg/kg	0.891	0.181	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB
Zinc, Total	17.9		mg/kg	4.46	0.261	2	03/28/19 22:40	04/01/19 19:00	EPA 3050B	1,6010D	AB



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1220146-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/27/19 12:37	03/27/19 22:31	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1220355-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Barium, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Calcium, Total	0.056	J	mg/l	0.100	0.035	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Copper, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Iron, Total	ND		mg/l	0.050	0.009	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Lead, Total	ND		mg/l	0.010	0.003	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Nickel, Total	ND		mg/l	0.025	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Silver, Total	ND		mg/l	0.007	0.003	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Sodium, Total	ND		mg/l	2.00	0.120	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	03/27/19 21:50	04/01/19 18:32	1,6010D	AB

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-05 Batch: WG1220770-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Sodium, Total	6.70	J	mg/kg	80.0	1.26	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/28/19 22:40	04/01/19 15:38	1,6010D	AB

Prep Information

Digestion Method: EPA 3050B



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-04 Batch: WG1220828-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	03/28/19 22:00	03/29/19 17:04	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1220896-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	03/29/19 07:00	03/29/19 16:05	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** HAMILTON HILL II TA1 SITE**Project Number:** 16.6334**Lab Number:** L1911987**Report Date:** 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1220146-2								
Mercury, Total	104		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1220355-2					
Aluminum, Total	108	-	80-120	-	
Antimony, Total	101	-	80-120	-	
Arsenic, Total	113	-	80-120	-	
Barium, Total	105	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	109	-	80-120	-	
Calcium, Total	104	-	80-120	-	
Chromium, Total	104	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	112	-	80-120	-	
Magnesium, Total	111	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	105	-	80-120	-	
Selenium, Total	114	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	107	-	80-120	-	
Thallium, Total	105	-	80-120	-	
Vanadium, Total	105	-	80-120	-	

Lab Control Sample Analysis**Batch Quality Control****Project Name:** HAMILTON HILL II TA1 SITE**Project Number:** 16.6334**Lab Number:** L1911987**Report Date:** 04/02/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1220355-2					
Zinc, Total	109	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1220770-2 SRM Lot Number: D101-540					
Aluminum, Total	66	-	50-151	-	
Antimony, Total	132	-	3-196	-	
Arsenic, Total	93	-	83-117	-	
Barium, Total	84	-	83-118	-	
Beryllium, Total	92	-	83-117	-	
Cadmium, Total	95	-	83-117	-	
Calcium, Total	85	-	81-119	-	
Chromium, Total	92	-	81-118	-	
Cobalt, Total	94	-	84-116	-	
Copper, Total	87	-	83-116	-	
Iron, Total	78	-	62-138	-	
Lead, Total	89	-	83-117	-	
Magnesium, Total	80	-	76-124	-	
Manganese, Total	85	-	82-118	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	74	-	71-130	-	
Selenium, Total	90	-	79-121	-	
Silver, Total	88	-	80-120	-	
Sodium, Total	99	-	72-127	-	
Thallium, Total	91	-	81-119	-	
Vanadium, Total	87	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1220770-2 SRM Lot Number: D101-540					
Zinc, Total	95	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 02-04 Batch: WG1220828-2 SRM Lot Number: D101-540					
Mercury, Total	102	-	65-135	-	
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1220896-2 SRM Lot Number: D101-540					
Mercury, Total	86	-	65-135	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1220146-3 QC Sample: L1911890-07 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00493	99		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1220355-3 QC Sample: L1911925-01 Client ID: MS Sample									
Aluminum, Total	0.102	2	2.31	110	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.551	110	-	-	75-125	-	20
Arsenic, Total	0.003J	0.12	0.146	122	-	-	75-125	-	20
Barium, Total	0.174	2	2.30	106	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.050	100	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.055	107	-	-	75-125	-	20
Calcium, Total	238	10	252	140	Q	-	75-125	-	20
Chromium, Total	ND	0.2	0.206	103	-	-	75-125	-	20
Cobalt, Total	0.004J	0.5	0.508	102	-	-	75-125	-	20
Copper, Total	0.004J	0.25	0.272	109	-	-	75-125	-	20
Iron, Total	0.602	1	1.63	103	-	-	75-125	-	20
Lead, Total	0.004J	0.51	0.558	109	-	-	75-125	-	20
Magnesium, Total	37.3	10	49.0	117	-	-	75-125	-	20
Manganese, Total	5.17	0.5	5.80	126	Q	-	75-125	-	20
Nickel, Total	0.009J	0.5	0.511	102	-	-	75-125	-	20
Potassium, Total	9.40	10	23.7	143	Q	-	75-125	-	20
Selenium, Total	ND	0.12	0.141	118	-	-	75-125	-	20
Silver, Total	ND	0.05	0.056	112	-	-	75-125	-	20
Sodium, Total	625	10	644	190	Q	-	75-125	-	20
Thallium, Total	0.002J	0.12	0.120	100	-	-	75-125	-	20
Vanadium, Total	0.003J	0.5	0.536	107	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1220355-3 QC Sample: L1911925-01 Client ID: MS Sample									
Zinc, Total	0.031J	0.5	0.564	113	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05			QC Batch ID: WG1220770-3		QC Sample: L1911910-01		Client ID: MS Sample		
Aluminum, Total	17300	242	18100	330	Q	-	75-125	-	20
Antimony, Total	0.715J	60.6	43.4	72	Q	-	75-125	-	20
Arsenic, Total	12.2	14.5	26.4	98		-	75-125	-	20
Barium, Total	82.7	242	325	100		-	75-125	-	20
Beryllium, Total	0.466	6.06	5.99	91		-	75-125	-	20
Cadmium, Total	0.764	6.18	6.62	95		-	75-125	-	20
Calcium, Total	1370	1210	2530	96		-	75-125	-	20
Chromium, Total	33.8	24.2	56.8	95		-	75-125	-	20
Cobalt, Total	8.30	60.6	60.7	86		-	75-125	-	20
Copper, Total	19.2	30.3	48.3	96		-	75-125	-	20
Iron, Total	18900	121	19300	330	Q	-	75-125	-	20
Lead, Total	1260	61.8	1060	0	Q	-	75-125	-	20
Magnesium, Total	4320	1210	5480	96		-	75-125	-	20
Manganese, Total	335	60.6	383	79		-	75-125	-	20
Nickel, Total	24.3	60.6	76.4	86		-	75-125	-	20
Potassium, Total	1620	1210	2940	109		-	75-125	-	20
Selenium, Total	ND	14.5	13.1	90		-	75-125	-	20
Silver, Total	0.261J	36.4	34.4	95		-	75-125	-	20
Sodium, Total	62.2J	1210	1260	104		-	75-125	-	20
Thallium, Total	ND	14.5	9.83	68	Q	-	75-125	-	20
Vanadium, Total	39.5	60.6	95.8	93		-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1220770-3 QC Sample: L1911910-01 Client ID: MS Sample									
Zinc, Total	183	60.6	262	130	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG1220828-3 QC Sample: L1911965-03 Client ID: MS Sample									
Mercury, Total	0.250	0.157	0.343	59	Q	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1220896-3 QC Sample: L1911987-05 Client ID: FD01_190326									
Mercury, Total	ND	0.144	0.124	86		-	80-120	-	20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** HAMILTON HILL II TA1 SITE**Project Number:** 16.6334**Lab Number:** L1911987**Report Date:** 04/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1220146-4 QC Sample: L1911890-07 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1911987
Report Date: 04/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1220355-4 QC Sample: L1911925-01 Client ID: DUP Sample					
Aluminum, Total	0.102	0.079J	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.003J	ND	mg/l	NC	20
Barium, Total	0.174	0.175	mg/l	1	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	238	239	mg/l	0	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	0.004J	0.004J	mg/l	NC	20
Copper, Total	0.004J	0.004J	mg/l	NC	20
Iron, Total	0.602	0.563	mg/l	7	20
Lead, Total	0.004J	0.004J	mg/l	NC	20
Magnesium, Total	37.3	37.9	mg/l	2	20
Manganese, Total	5.17	5.18	mg/l	0	20
Nickel, Total	0.009J	0.009J	mg/l	NC	20
Potassium, Total	9.40	9.57	mg/l	2	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	0.002J	ND	mg/l	NC	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1220355-4 QC Sample: L1911925-01 Client ID: DUP Sample					
Vanadium, Total	0.003J	0.002J	mg/l	NC	20
Zinc, Total	0.031J	0.030J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1220355-4 QC Sample: L1911925-01 Client ID: DUP Sample					
Sodium, Total	625	618	mg/l	1	20
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1220770-4 QC Sample: L1911910-01 Client ID: DUP Sample					
Lead, Total	1260	1120	mg/kg	12	20
Total Metals - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG1220828-4 QC Sample: L1911965-03 Client ID: DUP Sample					
Mercury, Total	0.250	0.143	mg/kg	54 Q	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1220896-4 QC Sample: L1911987-05 Client ID: FD01_190326					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS & MISCELLANEOUS

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-01
Client ID: EB01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 12:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/29/19 12:45	03/29/19 15:58	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/27/19 06:00	03/27/19 07:21	1,7196A	JW



Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-02
Client ID: RIHA1_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:40
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	03/27/19 13:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	03/28/19 15:50	03/29/19 12:37	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	03/27/19 16:30	03/28/19 14:29	1,7196A	NH



Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-03
Client ID: RIHA2_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 13:55
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	03/27/19 13:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/28/19 15:50	03/29/19 12:38	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	03/27/19 16:30	03/28/19 14:29	1,7196A	NH



Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-04
Client ID: RIHA3_0-1.5
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 14:15
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	03/27/19 13:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	03/28/19 15:50	03/29/19 12:39	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.896	0.179	1	03/27/19 16:30	03/28/19 14:29	1,7196A	NH



Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

SAMPLE RESULTS

Lab ID: L1911987-05
Client ID: FD01_190326
Sample Location: SCHENECTADY, NY

Date Collected: 03/26/19 00:00
Date Received: 03/26/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	03/27/19 13:20	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/28/19 15:50	03/29/19 12:45	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	03/27/19 16:30	03/28/19 14:29	1,7196A	NH



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1911987

Project Number: 16.6334

Report Date: 04/02/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1219990-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/27/19 06:00	03/27/19 07:13	1,7196A	JW
General Chemistry - Westborough Lab for sample(s): 02-05 Batch: WG1220169-1										
Cyanide, Total	ND		mg/kg	0.84	0.18	1	03/28/19 15:50	03/29/19 12:22	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 02-05 Batch: WG1220210-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/27/19 16:30	03/28/19 14:29	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1221095-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/29/19 12:45	03/29/19 15:51	1,9010C/9012B	LH

Lab Control Sample Analysis**Batch Quality Control****Project Name:** HAMILTON HILL II TA1 SITE**Project Number:** 16.6334**Lab Number:** L1911987**Report Date:** 04/02/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1219990-2								
Chromium, Hexavalent	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 Batch: WG1220169-2 WG1220169-3								
Cyanide, Total	64	Q	68	Q	80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 02-05 Batch: WG1220210-2								
Chromium, Hexavalent	92		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1221095-2 WG1221095-3								
Cyanide, Total	96		103		85-115	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1219990-4 QC Sample: L1911987-01 Client ID: EB01_190326												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1220169-4 WG1220169-5 QC Sample: L1911987-04 Client ID: RIHA3_0-1.5												
Cyanide, Total	ND	11	11	98		9.6	93		75-125	14		35
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1220210-4 WG1220210-5 QC Sample: L1911987-04 Client ID: RIHA3_0-1.5												
Chromium, Hexavalent	ND	944	1100	116		1610	119		75-125	3		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1221095-4 WG1221095-5 QC Sample: L1912001-10 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.190	95		0.182	91		80-120	4		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1911987

Report Date: 04/02/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1219990-3 QC Sample: L1911987-01 Client ID: EB01_190326						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1220118-1 QC Sample: L1911987-04 Client ID: RIHA3_0-1.5						
Solids, Total	89.3	89.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1220210-7 QC Sample: L1911987-04 Client ID: RIHA3_0-1.5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Serial_No:04021919:18
Lab Number: L1911987
Report Date: 04/02/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1911987-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1911987-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1911987-01C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1911987-01D	Plastic 250ml NaOH preserved	A	>12	>12	3.8	Y	Absent		TCN-9010(14)
L1911987-01E	Plastic 250ml unpreserved	A	7	7	3.8	Y	Absent		HEXCR-7196(1)
L1911987-01F	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1911987-01G	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1911987-01H	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1911987-01I	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-LVI(7)
L1911987-01J	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-LVI(7)
L1911987-01K	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1911987-01L	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1911987-02A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1911987-02B	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-02C	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-02D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1911987-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1911987-02F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Serial_No: 04021919:18
Lab Number: L1911987
Report Date: 04/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1911987-02G	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-03A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1911987-03B	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-03C	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-03D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1911987-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1911987-03F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-03G	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-04A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1911987-04A1	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1911987-04A2	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1911987-04B	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-04B1	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-04B2	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-04C	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-04C1	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-04C2	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-04D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1911987-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1911987-04E1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Serial_No: 04021919:18
Lab Number: L1911987
Report Date: 04/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1911987-04E2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1911987-04F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-04F1	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-04F2	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-04G	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-04G1	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-04G2	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-05A	Vial MeOH preserved	A	NA		3.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1911987-05A1	Vial MeOH preserved	A	NA		3.8	Y	Absent		-
L1911987-05A2	Vial MeOH preserved	A	NA		3.8	Y	Absent		-
L1911987-05B	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-05B1	Vial water preserved	A	NA		3.8	Y	Absent		-
L1911987-05B2	Vial water preserved	A	NA		3.8	Y	Absent		-
L1911987-05C	Vial water preserved	A	NA		3.8	Y	Absent	27-MAR-19 04:18	NYTCL-8260HLW-R2(14)
L1911987-05C1	Vial water preserved	A	NA		3.8	Y	Absent		-
L1911987-05C2	Vial water preserved	A	NA		3.8	Y	Absent		-
L1911987-05D	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		TS(7)
L1911987-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1911987-05E1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		-
L1911987-05E2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.8	Y	Absent		-
L1911987-05F	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Serial_No:04021919:18
Lab Number: L1911987
Report Date: 04/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1911987-05F1	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		-
L1911987-05F2	Glass 120ml/4oz unpreserved	A	NA		3.8	Y	Absent		-
L1911987-05G	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1911987-05G1	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		-
L1911987-05G2	Glass 250ml/8oz unpreserved	A	NA		3.8	Y	Absent		-

Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

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

Terms

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: HAMILTON HILL II TA1 SITE
Project Number: 16.6334

Lab Number: L1911987
Report Date: 04/02/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



ANALYTICAL REPORT

Lab Number:	L1912448
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Kirk Moline
Phone:	(518) 786-7400
Project Name:	HAMILTON HILL II, TA1 SITE
Project Number:	16.6334
Report Date:	04/05/19

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

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



Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1912448-01	RIHA4_0-2	SOIL	SCHENECTADY, NY	03/28/19 10:00	03/28/19

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Case Narrative

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

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

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

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

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

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

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Case Narrative (continued)

Report Submission

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

Total Metals

L1912448-01: 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.

Cyanide, Total

The WG1220995-2/-3 LCS/LCSD recoveries (68%/73%), associated with L1912448-01, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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:

 Amita Naik

Title: Technical Director/Representative

Date: 04/05/19

ORGANICS

VOLATILES

Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**SAMPLE RESULTS**

Lab ID: L1912448-01
 Client ID: RIHA4_0-2
 Sample Location: SCHENECTADY, NY

Date Collected: 03/28/19 10:00
 Date Received: 03/28/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/03/19 21:23
 Analyst: MV
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	0.25	J	ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**SAMPLE RESULTS****Lab ID:** L1912448-01**Date Collected:** 03/28/19 10:00**Client ID:** RIHA4_0-2**Date Received:** 03/28/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	6.1	J	ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.66	1
1,4-Dioxane	ND		ug/kg	96	42.	1
Freon-113	ND		ug/kg	4.8	0.84	1
Methyl cyclohexane	ND		ug/kg	4.8	0.73	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: HAMILTON HILL II, TA1 SITE

Lab Number: L1912448

Project Number: 16.6334

Report Date: 04/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/03/19 18:42
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1222870-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: HAMILTON HILL II, TA1 SITE

Lab Number: L1912448

Project Number: 16.6334

Report Date: 04/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/03/19 18:42
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1222870-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.24	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/19 18:42
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1222870-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1222870-3 WG1222870-4								
Methylene chloride	85		84		70-130	1		30
1,1-Dichloroethane	89		86		70-130	3		30
Chloroform	82		82		70-130	0		30
Carbon tetrachloride	79		77		70-130	3		30
1,2-Dichloropropane	87		86		70-130	1		30
Dibromochloromethane	82		83		70-130	1		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	78		74		70-130	5		30
Chlorobenzene	79		79		70-130	0		30
Trichlorofluoromethane	78		76		70-139	3		30
1,2-Dichloroethane	93		95		70-130	2		30
1,1,1-Trichloroethane	81		80		70-130	1		30
Bromodichloromethane	82		82		70-130	0		30
trans-1,3-Dichloropropene	91		94		70-130	3		30
cis-1,3-Dichloropropene	81		82		70-130	1		30
Bromoform	82		85		70-130	4		30
1,1,2,2-Tetrachloroethane	89		92		70-130	3		30
Benzene	80		80		70-130	0		30
Toluene	86		85		70-130	1		30
Ethylbenzene	85		85		70-130	0		30
Chloromethane	92		89		52-130	3		30
Bromomethane	83		82		57-147	1		30
Vinyl chloride	78		74		67-130	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1222870-3 WG1222870-4								
Chloroethane	82		79		50-151	4		30
1,1-Dichloroethene	78		75		65-135	4		30
trans-1,2-Dichloroethene	78		78		70-130	0		30
Trichloroethene	78		77		70-130	1		30
1,2-Dichlorobenzene	81		82		70-130	1		30
1,3-Dichlorobenzene	83		82		70-130	1		30
1,4-Dichlorobenzene	82		82		70-130	0		30
Methyl tert butyl ether	85		87		66-130	2		30
p/m-Xylene	81		81		70-130	0		30
o-Xylene	80		79		70-130	1		30
cis-1,2-Dichloroethene	79		78		70-130	1		30
Styrene	80		80		70-130	0		30
Dichlorodifluoromethane	65		62		30-146	5		30
Acetone	120		123		54-140	2		30
Carbon disulfide	84		82		59-130	2		30
2-Butanone	100		114		70-130	13		30
4-Methyl-2-pentanone	100		107		70-130	7		30
2-Hexanone	98		104		70-130	6		30
Bromochloromethane	75		75		70-130	0		30
1,2-Dibromoethane	84		86		70-130	2		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Isopropylbenzene	86		85		70-130	1		30
1,2,3-Trichlorobenzene	80		82		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1222870-3 WG1222870-4								
1,2,4-Trichlorobenzene	80		80		70-130	0		30
Methyl Acetate	97		101		51-146	4		30
Cyclohexane	89		86		59-142	3		30
1,4-Dioxane	112		115		65-136	3		30
Freon-113	78		77		50-139	1		30
Methyl cyclohexane	78		76		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		118		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	108		109		70-130
Dibromofluoromethane	95		97		70-130

SEMIVOLATILES

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

SAMPLE RESULTS

Lab ID: L1912448-01
Client ID: RIHA4_0-2
Sample Location: SCHENECTADY, NY

Date Collected: 03/28/19 10:00
Date Received: 03/28/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/04/19 10:31
Analyst: RC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 04/02/19 09:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	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	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1

Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**SAMPLE RESULTS****Lab ID:** L1912448-01**Date Collected:** 03/28/19 10:00**Client ID:** RIHA4_0-2**Date Received:** 03/28/19**Sample Location:** SCHENECTADY, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	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	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1

Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**SAMPLE RESULTS**

Lab ID: L1912448-01

Date Collected: 03/28/19 10:00

Client ID: RIHA4_0-2

Date Received: 03/28/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	53.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	77		18-120

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/19 18:05
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/02/19 09:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1222060-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: HAMILTON HILL II, TA1 SITE

Lab Number: L1912448

Project Number: 16.6334

Report Date: 04/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 04/03/19 18:05
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 04/02/19 09:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1222060-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/03/19 18:05
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/02/19 09:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1222060-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
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	101		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	121		10-136
4-Terphenyl-d14	105		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1222060-2 WG1222060-3								
Acenaphthene	91		89		31-137	2		50
Hexachlorobenzene	95		95		40-140	0		50
Bis(2-chloroethyl)ether	82		73		40-140	12		50
2-Chloronaphthalene	94		95		40-140	1		50
3,3'-Dichlorobenzidine	98		75		40-140	27		50
2,4-Dinitrotoluene	110		113		40-132	3		50
2,6-Dinitrotoluene	110		113		40-140	3		50
Fluoranthene	92		94		40-140	2		50
4-Chlorophenyl phenyl ether	87		89		40-140	2		50
4-Bromophenyl phenyl ether	95		93		40-140	2		50
Bis(2-chloroisopropyl)ether	76		67		40-140	13		50
Bis(2-chloroethoxy)methane	87		82		40-117	6		50
Hexachlorobutadiene	88		89		40-140	1		50
Hexachlorocyclopentadiene	80		86		40-140	7		50
Hexachloroethane	82		78		40-140	5		50
Isophorone	91		85		40-140	7		50
Naphthalene	88		87		40-140	1		50
Nitrobenzene	88		81		40-140	8		50
NDPA/DPA	93		93		36-157	0		50
n-Nitrosodi-n-propylamine	94		85		32-121	10		50
Bis(2-ethylhexyl)phthalate	101		95		40-140	6		50
Butyl benzyl phthalate	102		99		40-140	3		50
Di-n-butylphthalate	107		102		40-140	5		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1222060-2 WG1222060-3								
Di-n-octylphthalate	105		94		40-140	11		50
Diethyl phthalate	96		95		40-140	1		50
Dimethyl phthalate	100		105		40-140	5		50
Benzo(a)anthracene	94		93		40-140	1		50
Benzo(a)pyrene	102		91		40-140	11		50
Benzo(b)fluoranthene	99		90		40-140	10		50
Benzo(k)fluoranthene	99		92		40-140	7		50
Chrysene	89		86		40-140	3		50
Acenaphthylene	98		102		40-140	4		50
Anthracene	97		94		40-140	3		50
Benzo(ghi)perylene	95		62		40-140	42		50
Fluorene	94		94		40-140	0		50
Phenanthrene	92		89		40-140	3		50
Dibenzo(a,h)anthracene	95		70		40-140	30		50
Indeno(1,2,3-cd)pyrene	98		84		40-140	15		50
Pyrene	90		90		35-142	0		50
Biphenyl	102		102		54-104	0		50
4-Chloroaniline	79		60		40-140	27		50
2-Nitroaniline	110		113		47-134	3		50
3-Nitroaniline	95		76		26-129	22		50
4-Nitroaniline	97		92		41-125	5		50
Dibenzofuran	91		92		40-140	1		50
2-Methylnaphthalene	92		92		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1222060-2 WG1222060-3								
1,2,4,5-Tetrachlorobenzene	93		100		40-117	7		50
Acetophenone	97		90		14-144	7		50
2,4,6-Trichlorophenol	102		110		30-130	8		50
p-Chloro-m-cresol	103		102		26-103	1		50
2-Chlorophenol	96		88		25-102	9		50
2,4-Dichlorophenol	102		104		30-130	2		50
2,4-Dimethylphenol	97		94		30-130	3		50
2-Nitrophenol	108		102		30-130	6		50
4-Nitrophenol	97		90		11-114	7		50
2,4-Dinitrophenol	92		91		4-130	1		50
4,6-Dinitro-o-cresol	91		96		10-130	5		50
Pentachlorophenol	87		89		17-109	2		50
Phenol	83		75		26-90	10		50
2-Methylphenol	91		89		30-130	2		50
3-Methylphenol/4-Methylphenol	93		91		30-130	2		50
2,4,5-Trichlorophenol	100		109		30-130	9		50
Carbazole	99		96		54-128	3		50
Atrazine	118		117		40-140	1		50
Benzaldehyde	89		76		40-140	16		50
Caprolactam	112		102		15-130	9		50
2,3,4,6-Tetrachlorophenol	99		102		40-140	3		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1222060-2 WG1222060-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	90		132	Q	25-120
Phenol-d6	91		84		10-120
Nitrobenzene-d5	92		85		23-120
2-Fluorobiphenyl	97		96		30-120
2,4,6-Tribromophenol	108		112		10-136
4-Terphenyl-d14	92		94		18-120

PCBS

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

SAMPLE RESULTS

Lab ID: L1912448-01
Client ID: RIHA4_0-2
Sample Location: SCHENECTADY, NY

Date Collected: 03/28/19 10:00
Date Received: 03/28/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/03/19 21:45
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 04/02/19 08:50
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.98	1	A
Aroclor 1221	ND		ug/kg	33.6	3.37	1	A
Aroclor 1232	ND		ug/kg	33.6	7.13	1	A
Aroclor 1242	ND		ug/kg	33.6	4.53	1	A
Aroclor 1248	ND		ug/kg	33.6	5.04	1	A
Aroclor 1254	ND		ug/kg	33.6	3.68	1	A
Aroclor 1260	ND		ug/kg	33.6	6.21	1	A
Aroclor 1262	ND		ug/kg	33.6	4.27	1	A
Aroclor 1268	ND		ug/kg	33.6	3.48	1	A
PCBs, Total	ND		ug/kg	33.6	2.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/02/19 10:15
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 04/01/19 22:31
Cleanup Method: EPA 3665A
Cleanup Date: 04/02/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1221900-1						
Aroclor 1016	ND		ug/kg	31.5	2.79	A
Aroclor 1221	ND		ug/kg	31.5	3.15	A
Aroclor 1232	ND		ug/kg	31.5	6.67	A
Aroclor 1242	ND		ug/kg	31.5	4.24	A
Aroclor 1248	ND		ug/kg	31.5	4.72	A
Aroclor 1254	ND		ug/kg	31.5	3.44	A
Aroclor 1260	ND		ug/kg	31.5	5.81	A
Aroclor 1262	ND		ug/kg	31.5	4.00	A
Aroclor 1268	ND		ug/kg	31.5	3.26	A
PCBs, Total	ND		ug/kg	31.5	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	54		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1221900-2 WG1221900-3									
Aroclor 1016	102		100		40-140	2		50	A
Aroclor 1260	97		98		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	A
Decachlorobiphenyl	76		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		84		30-150	B
Decachlorobiphenyl	59		59		30-150	B

PESTICIDES

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

SAMPLE RESULTS

Lab ID: L1912448-01
Client ID: RIHA4_0-2
Sample Location: SCHENECTADY, NY

Date Collected: 03/28/19 10:00
Date Received: 03/28/19
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/04/19 12:42
Analyst: BM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 04/02/19 10:45
Cleanup Method: EPA 3620B
Cleanup Date: 04/04/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.318	1	A
Lindane	ND		ug/kg	0.676	0.302	1	A
Alpha-BHC	ND		ug/kg	0.676	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.615	1	A
Heptachlor	ND		ug/kg	0.811	0.364	1	A
Aldrin	ND		ug/kg	1.62	0.571	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.912	1	A
Endrin	ND		ug/kg	0.676	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.710	1	A
Endrin ketone	ND		ug/kg	1.62	0.418	1	A
Dieldrin	ND		ug/kg	1.01	0.507	1	A
4,4'-DDE	0.625	JP	ug/kg	1.62	0.375	1	B
4,4'-DDD	ND		ug/kg	1.62	0.578	1	A
4,4'-DDT	ND		ug/kg	3.04	1.30	1	B
Endosulfan I	ND		ug/kg	1.62	0.383	1	A
Endosulfan II	ND		ug/kg	1.62	0.542	1	A
Endosulfan sulfate	ND		ug/kg	0.676	0.322	1	A
Methoxychlor	ND		ug/kg	3.04	0.946	1	A
Toxaphene	ND		ug/kg	30.4	8.51	1	A
cis-Chlordane	ND		ug/kg	2.03	0.565	1	A
trans-Chlordane	ND		ug/kg	2.03	0.535	1	A
Chlordane	ND		ug/kg	13.2	5.37	1	A

Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**SAMPLE RESULTS**

Lab ID: L1912448-01

Date Collected: 03/28/19 10:00

Client ID: RIHA4_0-2

Date Received: 03/28/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 04/02/19 21:54
 Analyst: SL

Extraction Method: EPA 3546
 Extraction Date: 04/02/19 06:28
 Cleanup Method: EPA 3620B
 Cleanup Date: 04/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1222001-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.648	0.290	A
Alpha-BHC	ND		ug/kg	0.648	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.777	0.348	A
Aldrin	ND		ug/kg	1.55	0.547	A
Heptachlor epoxide	ND		ug/kg	2.91	0.874	A
Endrin	ND		ug/kg	0.648	0.266	A
Endrin aldehyde	ND		ug/kg	1.94	0.680	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.972	0.486	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.648	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.907	A
Toxaphene	ND		ug/kg	29.1	8.16	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	12.6	5.15	A

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/02/19 21:54
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 04/02/19 06:28
Cleanup Method: EPA 3620B
Cleanup Date: 04/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1222001-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	100		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1222001-2 WG1222001-3									
Delta-BHC	114		116		30-150	2		30	A
Lindane	117		122		30-150	4		30	A
Alpha-BHC	115		125		30-150	8		30	A
Beta-BHC	112		116		30-150	4		30	A
Heptachlor	85		85		30-150	0		30	A
Aldrin	102		119		30-150	15		30	A
Heptachlor epoxide	114		128		30-150	12		30	A
Endrin	114		114		30-150	0		30	A
Endrin aldehyde	84		80		30-150	5		30	A
Endrin ketone	101		101		30-150	0		30	A
Dieldrin	116		116		30-150	0		30	A
4,4'-DDE	107		106		30-150	1		30	A
4,4'-DDD	112		112		30-150	0		30	A
4,4'-DDT	113		110		30-150	3		30	A
Endosulfan I	98		99		30-150	1		30	A
Endosulfan II	111		110		30-150	1		30	A
Endosulfan sulfate	83		84		30-150	1		30	A
Methoxychlor	112		109		30-150	3		30	A
cis-Chlordane	80		80		30-150	0		30	A
trans-Chlordane	109		126		30-150	14		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1222001-2 WG1222001-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		85		30-150	B
Decachlorobiphenyl	111		108		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		85		30-150	A
Decachlorobiphenyl	100		97		30-150	A

METALS

Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**SAMPLE RESULTS**

Lab ID: L1912448-01

Date Collected: 03/28/19 10:00

Client ID: RIHA4_0-2

Date Received: 03/28/19

Sample Location: SCHENECTADY, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2440		mg/kg	8.18	2.21	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.09	0.311	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Arsenic, Total	2.46		mg/kg	0.818	0.170	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Barium, Total	9.27		mg/kg	0.818	0.142	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Beryllium, Total	0.082	J	mg/kg	0.409	0.027	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.818	0.080	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Calcium, Total	34200		mg/kg	8.18	2.86	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Chromium, Total	3.58		mg/kg	0.818	0.079	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Cobalt, Total	2.56		mg/kg	1.64	0.136	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Copper, Total	8.37		mg/kg	0.818	0.211	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Iron, Total	7130		mg/kg	4.09	0.739	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Lead, Total	3.09	J	mg/kg	4.09	0.219	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Magnesium, Total	1760		mg/kg	8.18	1.26	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Manganese, Total	218		mg/kg	0.818	0.130	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.067	0.014	1	03/30/19 08:00	04/01/19 16:44	EPA 7471B	1,7471B	GD
Nickel, Total	5.99		mg/kg	2.05	0.198	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Potassium, Total	271		mg/kg	205	11.8	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Selenium, Total	0.622	J	mg/kg	1.64	0.211	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.818	0.232	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Sodium, Total	70.4	J	mg/kg	164	2.58	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.64	0.258	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Vanadium, Total	6.89		mg/kg	0.818	0.166	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB
Zinc, Total	18.0		mg/kg	4.09	0.240	2	04/02/19 19:30	04/03/19 20:34	EPA 3050B	1,6010D	AB



Project Name: HAMILTON HILL II, TA1 SITE

Lab Number: L1912448

Project Number: 16.6334

Report Date: 04/05/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1221307-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	03/30/19 08:00	04/01/19 15:51	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1222233-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Sodium, Total	2.01	J	mg/kg	80.0	1.26	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/02/19 19:30	04/03/19 19:05	1,6010D	AB

Project Name: HAMILTON HILL II, TA1 SITE

Lab Number: L1912448

Project Number: 16.6334

Report Date: 04/05/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control**Project Name:** HAMILTON HILL II, TA1 SITE**Project Number:** 16.6334**Lab Number:** L1912448**Report Date:** 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1221307-2 SRM Lot Number: D101-540								
Mercury, Total	110		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1222233-2 SRM Lot Number: D101-540					
Aluminum, Total	63	-	50-151	-	
Antimony, Total	145	-	3-196	-	
Arsenic, Total	91	-	83-117	-	
Barium, Total	94	-	83-118	-	
Beryllium, Total	84	-	83-117	-	
Cadmium, Total	88	-	83-117	-	
Calcium, Total	90	-	81-119	-	
Chromium, Total	83	-	81-118	-	
Cobalt, Total	88	-	84-116	-	
Copper, Total	85	-	83-116	-	
Iron, Total	80	-	62-138	-	
Lead, Total	84	-	83-117	-	
Magnesium, Total	81	-	76-124	-	
Manganese, Total	92	-	82-118	-	
Nickel, Total	89	-	82-117	-	
Potassium, Total	84	-	71-130	-	
Selenium, Total	91	-	79-121	-	
Silver, Total	81	-	80-120	-	
Sodium, Total	86	-	72-127	-	
Thallium, Total	90	-	81-119	-	
Vanadium, Total	86	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** HAMILTON HILL II, TA1 SITE**Project Number:** 16.6334**Lab Number:** L1912448**Report Date:** 04/05/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1222233-2 SRM Lot Number: D101-540					
Zinc, Total	88	-	81-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1221307-3 WG1221307-4 QC Sample: L1912447-01 Client ID: MS Sample												
Mercury, Total	0.361	0.163	0.570	128	Q	0.956	366	Q	80-120	51	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1222233-3 WG1222233-4 QC Sample: L1912447-01 Client ID: MS Sample									
Aluminum, Total	3880	204	4630	368	Q	4610	356	Q	75-125 0 20
Antimony, Total	1.25J	51	43.4	85		43.0	84		75-125 1 20
Arsenic, Total	4.92	12.2	15.9	90		16.3	92		75-125 2 20
Barium, Total	81.9	204	268	91		261	87		75-125 3 20
Beryllium, Total	0.244J	5.1	4.58	90		4.54	88		75-125 1 20
Cadmium, Total	0.547J	5.2	5.10	98		5.04	96		75-125 1 20
Calcium, Total	7570	1020	11300	366	Q	8460	87		75-125 29 Q 20
Chromium, Total	8.67	20.4	27.0	90		27.6	92		75-125 2 20
Cobalt, Total	3.43	51	45.9	83		46.1	83		75-125 0 20
Copper, Total	34.6	25.5	56.8	87		57.5	89		75-125 1 20
Iron, Total	9000	102	9760	745	Q	11200	2150	Q	75-125 14 20
Lead, Total	365	52	392	52	Q	382	32	Q	75-125 3 20
Magnesium, Total	3200	1020	5260	202	Q	3810	60	Q	75-125 32 Q 20
Manganese, Total	201	51	250	96		248	92		75-125 1 20
Nickel, Total	9.78	51	52.6	84		52.9	84		75-125 1 20
Potassium, Total	254	1020	1160	89		1140	86		75-125 2 20
Selenium, Total	0.957J	12.2	11.6	95		11.4	93		75-125 2 20
Silver, Total	ND	30.6	28.7	94		28.6	93		75-125 0 20
Sodium, Total	43.8J	1020	967	95		955	93		75-125 1 20
Thallium, Total	ND	12.2	9.68	79		9.66	78		75-125 0 20
Vanadium, Total	13.6	51	61.8	94		60.6	92		75-125 2 20

Matrix Spike Analysis Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1222233-3 WG1222233-4 QC Sample: L1912447-01 Client ID: MS Sample									
Zinc, Total	204	51	255	100	254	98	75-125	0	20

INORGANICS & MISCELLANEOUS

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

SAMPLE RESULTS

Lab ID: L1912448-01
Client ID: RIHA4_0-2
Sample Location: SCHENECTADY, NY

Date Collected: 03/28/19 10:00
Date Received: 03/28/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	03/29/19 14:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.99	0.21	1	03/29/19 11:05	03/29/19 15:48	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.852	0.170	1	03/29/19 19:00	04/01/19 21:20	1,7196A	AJ



Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1220995-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	03/29/19 11:05	03/29/19 15:32	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1221228-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/29/19 19:00	04/01/19 21:20	1,7196A	AJ

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1220995-2 WG1220995-3								
Cyanide, Total	68	Q	73	Q	80-120	11		35
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1221228-2								
Chromium, Hexavalent	91		-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE

Project Number: 16.6334

Lab Number: L1912448

Report Date: 04/05/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1220995-4 WG1220995-5 QC Sample: L1912384-02 Client ID: MS Sample												
Cyanide, Total	0.72J	11	11	92		10	87		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1221228-4 WG1221228-5 QC Sample: L1912447-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	1300	553	43	Q	481	39	Q	75-125	14		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1221108-1 QC Sample: L1912374-01 Client ID: DUP Sample						
Solids, Total	77.9	84.0	%	8		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1221228-7 QC Sample: L1912447-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: HAMILTON HILL II, TA1 SITE**Lab Number:** L1912448**Project Number:** 16.6334**Report Date:** 04/05/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912448-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW-R2(14)
L1912448-01B	Vial water preserved	A	NA		4.4	Y	Absent	29-MAR-19 05:50	NYTCL-8260HLW-R2(14)
L1912448-01C	Vial water preserved	A	NA		4.4	Y	Absent	29-MAR-19 05:50	NYTCL-8260HLW-R2(14)
L1912448-01D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1912448-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	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)
L1912448-01F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1912448-01G	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

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

Terms

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: HAMILTON HILL II, TA1 SITE
Project Number: 16.6334

Lab Number: L1912448
Report Date: 04/05/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

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

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH₃-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO₃-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO₄-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water

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

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

