

APPENDIX L
ANALYTICAL REPORTS
(GROUNDWATER)



ANALYTICAL REPORT

Lab Number:	L1912755
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:	04/09/19

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

Lab Number: L1912755
Report Date: 04/09/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1912755-01	RIMW1_190329	WATER	SCHENECTADY, NY	03/29/19 09:55	03/29/19
L1912755-02	RIMW4_190329	WATER	SCHENECTADY, NY	03/29/19 10:50	03/29/19
L1912755-03	RIMW6_190329	WATER	SCHENECTADY, NY	03/29/19 12:45	03/29/19
L1912755-04	RIMW5_190329	WATER	SCHENECTADY, NY	03/29/19 13:15	03/29/19
L1912755-05	FD01_190329	WATER	SCHENECTADY, NY	03/29/19 00:00	03/29/19
L1912755-06	EB01_190329	WATER	SCHENECTADY, NY	03/29/19 15:10	03/29/19
L1912755-07	LTB01_190329	WATER	SCHENECTADY, NY	03/29/19 00:00	03/29/19
L1912755-08	FTB01_190329	WATER	SCHENECTADY, NY	03/29/19 12:15	03/29/19

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

Lab Number: L1912755
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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: L1912755
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Case Narrative (continued)

Report Submission

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

Sample Receipt

L1912755-07: A sample container for the analysis of Perfluorinated Alkyl Acids was listed on the Chain of Custody, but not received. This was verified by the client.

L1912755-08: The collection time was obtained from the container labels.

Volatile Organics

The WG1223047-6 MS recovery, performed on L1912755-01, is below the acceptance criteria for 1,4-dioxane (0%) due to the concentration of this compound falling below the reported detection limit.

Pesticides

L1912755-04 was re-extracted with the method required holding time exceeded since the initial extraction, which has a result above the RL, has QC above the acceptance criteria. The results of both 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: 04/09/19

ORGANICS

VOLATILES

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 15:00
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.2		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	2.0	J	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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
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	2.4	J	ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

Total TIC Compounds	1.06	J	ug/l			1
Unknown	1.06	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 15:25
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	8.9		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	1.2		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.60		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	3.2		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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 15:50
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.27	J	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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
Client ID: RIMW5_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 16:16
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.18	J	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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
Client ID: RIMW5_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
Date Received: 03/29/19
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	3.2	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	93		70-130

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 16:41
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.23	J	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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
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	3.0	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	94		70-130

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
Client ID: EB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/03/19 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.22	J	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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
Client ID: EB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
Date Received: 03/29/19
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	7.4		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	0.39	J	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-07
Client ID: LTB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/03/19 09:59
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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-07
Client ID: LTB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	0.75	J	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/19 08:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1222552-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/19 08:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1222552-5					
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: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/03/19 08:11
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1222552-5					

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

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 08:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1223047-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 08:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1223047-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 08:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1223047-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1222552-3 WG1222552-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	84		83		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	94		93		63-130	1		20
1,1,2-Trichloroethane	99		98		70-130	1		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		98		62-150	12		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	86		90		70-130	5		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
Bromoform	99		97		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	92		89		64-130	3		20
Bromomethane	51		62		39-139	19		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1222552-3 WG1222552-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	98		96		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		115		70-130	4		20
Dichlorodifluoromethane	89		82		36-147	8		20
Acetone	110		110		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	93		94		59-130	1		20
2-Hexanone	91		94		57-130	3		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	96		98		70-130	2		20
1,2-Dibromo-3-chloropropane	91		93		41-144	2		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	90		100		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912755

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1222552-3 WG1222552-4								
1,2,4-Trichlorobenzene	97		100		70-130	3		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	110		100		70-130	10		20
1,4-Dioxane	128		162		56-162	23	Q	20
Freon-113	110		99		70-130	11		20
Methyl cyclohexane	120		100		70-130	18		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1223047-3 WG1223047-4								
Methylene chloride	97		97		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	99		95		63-132	4		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	93		93		63-130	0		20
1,1,2-Trichloroethane	98		98		70-130	0		20
Tetrachloroethene	96		93		70-130	3		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	96		93		62-150	3		20
1,2-Dichloroethane	99		98		70-130	1		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	98		96		67-130	2		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	99		96		70-130	3		20
Bromoform	90		87		54-136	3		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	100		97		70-130	3		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	92		89		64-130	3		20
Bromomethane	51		49		39-139	4		20
Vinyl chloride	100		98		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1223047-3 WG1223047-4								
Chloroethane	99		91		55-138	8		20
1,1-Dichloroethene	95		89		61-145	7		20
trans-1,2-Dichloroethene	96		94		70-130	2		20
Trichloroethene	94		91		70-130	3		20
1,2-Dichlorobenzene	100		97		70-130	3		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		99		70-130	1		20
Methyl tert butyl ether	92		90		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	98		94		70-130	4		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	94		90		36-147	4		20
Acetone	100		97		58-148	3		20
Carbon disulfide	94		91		51-130	3		20
2-Butanone	82		82		63-138	0		20
4-Methyl-2-pentanone	82		80		59-130	2		20
2-Hexanone	87		86		57-130	1		20
Bromochloromethane	92		89		70-130	3		20
1,2-Dibromoethane	91		94		70-130	3		20
1,2-Dibromo-3-chloropropane	76		74		41-144	3		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	85		81		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912755

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1223047-3 WG1223047-4								
1,2,4-Trichlorobenzene	88		84		70-130	5		20
Methyl Acetate	90		91		70-130	1		20
Cyclohexane	100		98		70-130	2		20
1,4-Dioxane	84		66		56-162	24	Q	20
Freon-113	94		90		70-130	4		20
Methyl cyclohexane	94		89		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		108		70-130
Toluene-d8	110		108		70-130
4-Bromofluorobenzene	110		108		70-130
Dibromofluoromethane	96		95		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1223047-6 WG1223047-7 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	3.2	10	15	118		14	108		70-130	7		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	9.5	95		9.3	93		63-130	2		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	9.8	98		9.6	96		70-130	2		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	11	110		10	100		62-150	10		20
1,2-Dichloroethane	ND	10	11	110		10	100		70-130	10		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	11	110		10	100		67-130	10		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	8.9	89		9.0	90		70-130	1		20
Bromoform	ND	10	8.6	86		8.5	85		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	9.8	98		9.9	99		67-130	1		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	10	100		10	100		64-130	0		20
Bromomethane	ND	10	1.2J	12	Q	1.8J	18	Q	39-139	40	Q	20
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1223047-6 WG1223047-7 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Chloroethane	ND	10	10	100		10	100		55-138	0		20
1,1-Dichloroethene	ND	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	2.0J	10	13	130		12	120		70-130	8		20
Trichloroethene	ND	10	10	100		9.8	98		70-130	2		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	8.8	88		8.9	89		63-130	1		20
p/m-Xylene	ND	20	21	105		21	105		70-130	0		20
o-Xylene	ND	20	21	105		20	100		70-130	5		20
cis-1,2-Dichloroethene	2.4J	10	13	130		13	130		70-130	0		20
Styrene	ND	20	20	100		20	100		70-130	0		20
Dichlorodifluoromethane	ND	10	10	100		10	100		36-147	0		20
Acetone	2.6J	10	14	140		11	110		58-148	24	Q	20
Carbon disulfide	ND	10	11	110		10	100		51-130	10		20
2-Butanone	ND	10	8.6	86		8.2	82		63-138	5		20
4-Methyl-2-pentanone	ND	10	7.0	70		7.3	73		59-130	4		20
2-Hexanone	ND	10	7.3	73		7.6	76		57-130	4		20
Bromochloromethane	ND	10	9.5	95		9.3	93		70-130	2		20
1,2-Dibromoethane	ND	10	9.0	90		9.1	91		70-130	1		20
1,2-Dibromo-3-chloropropane	ND	10	6.9	69		6.4	64		41-144	8		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	7.5	75		7.6	76		70-130	1		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1223047-6 WG1223047-7 QC Sample: L1912755-01 Client ID: RIMW1_190329												
1,2,4-Trichlorobenzene	ND	10	8.0	80		8.3	83		70-130	4		20
Methyl Acetate	ND	10	8.4	84		8.2	82		70-130	2		20
Cyclohexane	ND	10	10	100		10	100		70-130	0		20
1,4-Dioxane	ND	500	ND	0	Q	160J	32	Q	56-162	NC		20
Freon-113	ND	10	9.8	98		9.5	95		70-130	3		20
Methyl cyclohexane	ND	10	9.0J	90		8.9J	89		70-130	1		20

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	101		101		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	97		94		70-130
Toluene-d8	111		111		70-130

SEMIVOLATILES

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/07/19 19:53
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	29.7	J	ug/l			1
Aldol Condensates	29.7	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	92		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
 Client ID: RIMW1_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/03/19 13:23
 Analyst: MA

Extraction Method: EPA 3510C
 Extraction Date: 04/02/19 16:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	35.3	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			19		15-110	

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
 Client ID: RIMW1_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/06/19 12:50
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.11	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
 Client ID: RIMW1_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	84		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/03/19 14:13
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.26		ng/l	1.86	0.347	1
Perfluoropentanoic Acid (PFPeA)	3.74		ng/l	1.86	0.431	1
Perfluorobutanesulfonic Acid (PFBS)	1.45	J	ng/l	1.86	0.353	1
Perfluorohexanoic Acid (PFHxA)	3.65		ng/l	1.86	0.457	1
Perfluoroheptanoic Acid (PFHpA)	2.39		ng/l	1.86	0.346	1
Perfluorohexanesulfonic Acid (PFHxS)	1.31	J	ng/l	1.86	0.405	1
Perfluorooctanoic Acid (PFOA)	6.55		ng/l	1.86	0.428	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.78		ng/l	1.86	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.483	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.86	0.405	1
Perfluorooctanesulfonic Acid (PFOS)	1.59	J	ng/l	1.86	0.520	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.86	0.576	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	0.270	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.974	J	ng/l	1.86	0.233	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.394	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.359	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.517	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.32	J	ng/l	1.86	0.346	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.550	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.918	1
PFOA/PFOS, Total	8.14	J	ng/l	1.86	0.428	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	88		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		33-143

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/07/19 20:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	54.8	J	ug/l			1
Aldol Condensates	54.8	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	89		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
 Client ID: RIMW4_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/03/19 14:26
 Analyst: MA

Extraction Method: EPA 3510C
 Extraction Date: 04/02/19 16:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	35.3	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			27		15-110	

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
 Client ID: RIMW4_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/06/19 13:13
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	82		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/03/19 14:47
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	1.88		ng/l	1.86	0.348	1
Perfluoropentanoic Acid (PFPeA)	0.757	J	ng/l	1.86	0.433	1
Perfluorobutanesulfonic Acid (PFBS)	0.877	J	ng/l	1.86	0.354	1
Perfluorohexanoic Acid (PFHxA)	0.604	J	ng/l	1.86	0.459	1
Perfluoroheptanoic Acid (PFHpA)	0.601	J	ng/l	1.86	0.347	1
Perfluorohexanesulfonic Acid (PFHxS)	0.642	J	ng/l	1.86	0.407	1
Perfluorooctanoic Acid (PFOA)	2.94		ng/l	1.86	0.429	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.709	J	ng/l	1.86	0.181	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.485	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.86	0.407	1
Perfluorooctanesulfonic Acid (PFOS)	45.2		ng/l	1.86	0.522	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.86	0.578	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	0.271	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	1.10	J	ng/l	1.86	0.234	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.396	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.360	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.519	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.61	J	ng/l	1.86	0.348	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.552	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.293	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.922	1
PFOA/PFOS, Total	48.1		ng/l	1.86	0.429	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	147		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	121		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	124		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	120		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	125		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	115		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	116		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	94		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	114		33-143

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/07/19 20:43
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	43.0	J	ug/l			1
Aldol Condensates	43.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	94		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
 Client ID: RIMW6_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/03/19 14:48
 Analyst: MA

Extraction Method: EPA 3510C
 Extraction Date: 04/02/19 16:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	35.3	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			29		15-110	

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/06/19 13:36
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.11	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	83		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/03/19 15:03
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.36		ng/l	1.87	0.349	1
Perfluoropentanoic Acid (PFPeA)	7.20		ng/l	1.87	0.434	1
Perfluorobutanesulfonic Acid (PFBS)	7.12		ng/l	1.87	0.356	1
Perfluorohexanoic Acid (PFHxA)	5.46		ng/l	1.87	0.461	1
Perfluoroheptanoic Acid (PFHpA)	4.03		ng/l	1.87	0.348	1
Perfluorohexanesulfonic Acid (PFHxS)	4.17		ng/l	1.87	0.408	1
Perfluorooctanoic Acid (PFOA)	11.1		ng/l	1.87	0.431	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.50	J	ng/l	1.87	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.87	0.487	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.87	0.408	1
Perfluorooctanesulfonic Acid (PFOS)	18.0		ng/l	1.87	0.524	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.87	0.580	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.87	0.272	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.592	J	ng/l	1.87	0.234	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.87	0.397	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.87	0.361	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.87	0.520	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.756	J	ng/l	1.87	0.349	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.87	0.554	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.87	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.87	0.925	1
PFOA/PFOS, Total	29.1		ng/l	1.87	0.431	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		33-143

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
Client ID: RIMW5_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/07/19 21:09
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
Client ID: RIMW5_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	28.4	J	ug/l			1
Aldol Condensates	28.4	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	97		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
 Client ID: RIMW5_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/06/19 14:00
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	0.05	J	ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.01	J	ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.06	J	ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.07	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.12	J	ug/l	0.80	0.01	1
Hexachlorobenzene	0.03	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
 Client ID: RIMW5_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	83		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/07/19 21:34
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
 Client ID: FD01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	50.1	J	ug/l			1
Aldol Condensates	50.1	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	95		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
 Client ID: FD01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/03/19 15:09
 Analyst: MA

Extraction Method: EPA 3510C
 Extraction Date: 04/02/19 16:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	160	36.1	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			28		15-110	

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/06/19 14:23
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.01	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.11	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	78		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/03/19 15:20
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.38		ng/l	1.85	0.346	1
Perfluoropentanoic Acid (PFPeA)	6.83		ng/l	1.85	0.430	1
Perfluorobutanesulfonic Acid (PFBS)	6.61		ng/l	1.85	0.352	1
Perfluorohexanoic Acid (PFHxA)	5.25		ng/l	1.85	0.456	1
Perfluoroheptanoic Acid (PFHpA)	3.95		ng/l	1.85	0.344	1
Perfluorohexanesulfonic Acid (PFHxS)	3.92		ng/l	1.85	0.404	1
Perfluorooctanoic Acid (PFOA)	11.2		ng/l	1.85	0.426	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.90		ng/l	1.85	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.481	1
Perfluorononanoic Acid (PFNA)	0.478	J	ng/l	1.85	0.404	1
Perfluorooctanesulfonic Acid (PFOS)	18.2		ng/l	1.85	0.518	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.574	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	0.269	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.232	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.392	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.357	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.515	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.345	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.548	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.915	1
PFOA/PFOS, Total	29.4		ng/l	1.85	0.426	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	136		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		33-143

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
 Client ID: EB01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 04/07/19 21:59
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	1.1	J	ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
 Client ID: EB01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	66.3	J	ug/l	1
Aldol Condensates	60.4	J	ug/l	1
Unknown	1.60	J	ug/l	1
Unknown Phenol	4.29	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	85		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
 Client ID: EB01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/03/19 15:29
 Analyst: MA

Extraction Method: EPA 3510C
 Extraction Date: 04/02/19 16:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	147	33.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	28		15-110

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
Client ID: EB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/06/19 14:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	0.01	J	ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.05	J	ug/l	0.10	0.01	1
Fluorene	0.05	J	ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.09	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.03	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
 Client ID: EB01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	72		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
Client ID: EB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/03/19 15:36
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.78	0.333	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.78	0.414	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.78	0.339	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.78	0.439	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.78	0.332	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.78	0.389	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.78	0.411	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.464	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.389	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.78	0.500	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.554	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	0.260	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.224	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.378	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.345	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.496	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.432	J	ng/l	1.78	0.333	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.528	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.280	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.882	1
PFOA/PFOS, Total	ND		ng/l	1.78	0.411	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
 Client ID: EB01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		33-143

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-08
Client ID: FTB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:15
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 04/03/19 15:53
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.87	0.349	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.87	0.434	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.87	0.356	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.87	0.461	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.87	0.348	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.87	0.408	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.87	0.431	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.87	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.87	0.487	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.87	0.408	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.87	0.524	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.87	0.580	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.87	0.272	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.87	0.234	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.87	0.397	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.87	0.361	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.87	0.520	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.87	0.349	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.87	0.554	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.87	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.87	0.925	1
PFOA/PFOS, Total	ND		ng/l	1.87	0.431	1

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-08
 Client ID: FTB01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:15
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	63		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	62		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	117		33-143

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 04/03/19 11:10
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05-06,08 Batch: WG1222038-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.373
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.464
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.380
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.492
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.372
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.436
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.460
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	0.194
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.520
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.436
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.560
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.620
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	0.291
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.250
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.424
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.386
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.556
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.373
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.592
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.314
Perfluorotetradecanoic Acid (PFTTA)	ND		ng/l	2.00	0.988
PFOA/PFOS, Total	ND		ng/l	2.00	0.460

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
Analytical Date: 04/03/19 11:10
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 04/02/19 08:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03,05-06,08 Batch: WG1222038-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	120		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	120		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	119		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	119		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	119		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	118		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	122		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	95		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	103		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	130		33-143

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

Lab Number: L1912755
Report Date: 04/09/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D-SIM
Analytical Date: 04/03/19 09:34
Analyst: MA

Extraction Method: EPA 3510C
Extraction Date: 04/02/19 16:50

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-03,05-06 Batch: WG1222221-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	27		15-110

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/07/19 16:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1223498-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

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

Lab Number: L1912755
Report Date: 04/09/19

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8270D
 Analytical Date: 04/07/19 16:56
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1223498-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
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	18.9	J	ug/l
Aldol Condensates	18.9	J	ug/l

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/07/19 16:56
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1223498-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	90		41-149

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/06/19 10:06
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1223500-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/06/19 10:06
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 12:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1223500-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05-06,08 Batch: WG1222038-2 WG1222038-3								
Perfluorobutanoic Acid (PFBA)	118		118		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	109		109		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	103		103		65-157	0		30
Perfluorohexanoic Acid (PFHxA)	116		117		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	109		107		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	112		115		69-177	3		30
Perfluorooctanoic Acid (PFOA)	108		106		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	118		117		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	112		112		61-179	0		30
Perfluorononanoic Acid (PFNA)	114		114		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	100		98		52-151	2		30
Perfluorodecanoic Acid (PFDA)	117		115		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	135		132		56-173	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		126		60-166	16		30
Perfluoroundecanoic Acid (PFUnA)	104		108		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	116		120		38-156	3		30
Perfluorooctanesulfonamide (FOSA)	98		102		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		112		45-170	3		30
Perfluorododecanoic Acid (PFDoA)	106		107		67-153	1		30
Perfluorotridecanoic Acid (PFTrDA)	96		115		48-158	18		30
Perfluorotetradecanoic Acid (PFTA)	116		115		59-182	1		30

Lab Control Sample Analysis

Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05-06,08 Batch: WG1222038-2 WG1222038-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	115		118		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	122		124		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	117		124		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	117		117		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	115		118		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		123		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	119		120		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		85		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	118		121		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		125		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	112		113		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		95		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	101		94		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		113		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	74		76		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		103		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		103		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	117		118		33-143

Lab Control Sample Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-03,05-06 Batch: WG1222221-2 WG1222221-3								
1,4-Dioxane	120		122		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	23		33		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1223498-2 WG1223498-3								
Bis(2-chloroethyl)ether	64		56		40-140	13		30
3,3'-Dichlorobenzidine	70		83		40-140	17		30
2,4-Dinitrotoluene	83		90		48-143	8		30
2,6-Dinitrotoluene	88		90		40-140	2		30
4-Chlorophenyl phenyl ether	77		76		40-140	1		30
4-Bromophenyl phenyl ether	78		82		40-140	5		30
Bis(2-chloroisopropyl)ether	68		60		40-140	13		30
Bis(2-chloroethoxy)methane	76		73		40-140	4		30
Hexachlorocyclopentadiene	50		48		40-140	4		30
Isophorone	82		80		40-140	2		30
Nitrobenzene	68		64		40-140	6		30
NDPA/DPA	84		91		40-140	8		30
n-Nitrosodi-n-propylamine	82		78		29-132	5		30
Bis(2-ethylhexyl)phthalate	74		88		40-140	17		30
Butyl benzyl phthalate	99		120		40-140	19		30
Di-n-butylphthalate	83		94		40-140	12		30
Di-n-octylphthalate	82		96		40-140	16		30
Diethyl phthalate	91		97		40-140	6		30
Dimethyl phthalate	84		87		40-140	4		30
Biphenyl	77		75		40-140	3		30
4-Chloroaniline	79		74		40-140	7		30
2-Nitroaniline	81		84		52-143	4		30
3-Nitroaniline	80		84		25-145	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1223498-2 WG1223498-3								
4-Nitroaniline	91		103		51-143	12		30
Dibenzofuran	77		74		40-140	4		30
1,2,4,5-Tetrachlorobenzene	66		66		2-134	0		30
Acetophenone	80		72		39-129	11		30
2,4,6-Trichlorophenol	73		77		30-130	5		30
p-Chloro-m-cresol	86		90		23-97	5		30
2-Chlorophenol	64		61		27-123	5		30
2,4-Dichlorophenol	72		77		30-130	7		30
2,4-Dimethylphenol	64		66		30-130	3		30
2-Nitrophenol	56		55		30-130	2		30
4-Nitrophenol	75		87	Q	10-80	15		30
2,4-Dinitrophenol	46		54		20-130	16		30
4,6-Dinitro-o-cresol	53		63		20-164	17		30
Phenol	57		56		12-110	2		30
3-Methylphenol/4-Methylphenol	72		75		30-130	4		30
2,4,5-Trichlorophenol	81		85		30-130	5		30
Carbazole	91		100		55-144	9		30
Atrazine	116		131		40-140	12		30
Benzaldehyde	72		59		40-140	20		30
Caprolactam	52		57		10-130	9		30
2,3,4,6-Tetrachlorophenol	77		80		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912755

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1223498-2 WG1223498-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		49		21-120
Phenol-d6	54		54		10-120
Nitrobenzene-d5	67		63		23-120
2-Fluorobiphenyl	75		73		15-120
2,4,6-Tribromophenol	73		79		10-120
4-Terphenyl-d14	86		92		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1223500-2 WG1223500-3								
Acenaphthene	88		73		40-140	19		40
2-Chloronaphthalene	82		65		40-140	23		40
Fluoranthene	95		84		40-140	12		40
Hexachlorobutadiene	77		59		40-140	26		40
Naphthalene	76		58		40-140	27		40
Benzo(a)anthracene	101		94		40-140	7		40
Benzo(a)pyrene	91		83		40-140	9		40
Benzo(b)fluoranthene	96		88		40-140	9		40
Benzo(k)fluoranthene	98		90		40-140	9		40
Chrysene	99		93		40-140	6		40
Acenaphthylene	88		70		40-140	23		40
Anthracene	92		82		40-140	11		40
Benzo(ghi)perylene	77		71		40-140	8		40
Fluorene	99		84		40-140	16		40
Phenanthrene	86		78		40-140	10		40
Dibenzo(a,h)anthracene	81		77		40-140	5		40
Indeno(1,2,3-cd)pyrene	82		77		40-140	6		40
Pyrene	95		84		40-140	12		40
2-Methylnaphthalene	80		63		40-140	24		40
Pentachlorophenol	98		89		40-140	10		40
Hexachlorobenzene	86		77		40-140	11		40
Hexachloroethane	79		59		40-140	29		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1223500-2 WG1223500-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	67		52		21-120
Phenol-d6	56		43		10-120
Nitrobenzene-d5	89		66		23-120
2-Fluorobiphenyl	75		61		15-120
2,4,6-Tribromophenol	104		89		10-120
4-Terphenyl-d14	80		72		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05-06,08 QC Batch ID: WG1222038-4 WG1222038-5 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Perfluorobutanoic Acid (PFBA)	5.26	37.3	51.7	124		51.4	124		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	3.74	37.3	46.3	114		45.3	112		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	1.45J	37.3	43.2	116		42.7	115		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	3.65	37.3	49.3	122		49.8	124		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	2.39	37.3	44.3	112		44.0	112		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	1.31J	37.3	41.6	111		42.1	113		69-177	1		30
Perfluorooctanoic Acid (PFOA)	6.55	37.3	49.0	114		48.1	112		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.78	37.3	48.4	117		46.7	113		49-187	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	37.3	44.4	119		40.7	109		61-179	9		30
Perfluorononanoic Acid (PFNA)	ND	37.3	46.6	125		44.0	118		68-171	6		30
Perfluorooctanesulfonic Acid (PFOS)	1.59J	37.3	32.9	88		37.8	102		52-151	14		30
Perfluorodecanoic Acid (PFDA)	ND	37.3	43.6	117		45.2	122		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	37.3	49.8	133		47.8	129		56-173	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.974J	37.3	41.1	110		45.1	121		60-166	9		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.3	38.9	104		40.9	110		60-153	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37.3	38.9	104		41.8	112		38-156	7		30
Perfluorooctanesulfonamide (FOSA)	ND	37.3	38.3	103		41.3	111		46-170	8		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.32J	37.3	44.3	119		43.4	117		45-170	2		30
Perfluorododecanoic Acid (PFDoA)	ND	37.3	41.0	110		43.8	118		67-153	7		30
Perfluorotridecanoic Acid (PFTrDA)	ND	37.3	36.7	98		39.4	106		48-158	7		30
Perfluorotetradecanoic Acid (PFTTA)	ND	37.3	44.3	119		45.7	123		59-182	3		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** HAMILTON HILL II TA1 SITE**Lab Number:** L1912755**Project Number:** 16.6334**Report Date:** 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03,05-06,08 QC Batch ID: WG1222038-4 WG1222038-5 QC Sample: L1912755-01 Client ID: RIMW1_190329

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		82		7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		79		1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		83		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		84		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		102		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		101		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		96		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	105		102		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		111		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		94		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		104		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		131		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		47		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		116		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		107		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		108		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		105		31-159

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab RIMW1_190329 Associated sample(s): 01-03,05-06 QC Batch ID: WG1222221-4 WG1222221-5 QC Sample: L1912755-01 Client ID:												
1,4-Dioxane	ND	5210	6410	123		6270	120		40-140	2		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	22		21		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1223498-4 WG1223498-5 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Bis(2-chloroethyl)ether	ND	18.2	15	83		12	66		40-140	22		30
3,3'-Dichlorobenzidine	ND	18.2	14	77		11	61		40-140	24		30
2,4-Dinitrotoluene	ND	18.2	17	94		14	77		48-143	19		30
2,6-Dinitrotoluene	ND	18.2	17	94		14	77		40-140	19		30
4-Chlorophenyl phenyl ether	ND	18.2	15	83		13	72		40-140	14		30
4-Bromophenyl phenyl ether	ND	18.2	16	88		13	72		40-140	21		30
Bis(2-chloroisopropyl)ether	ND	18.2	16	88		13	72		40-140	21		30
Bis(2-chloroethoxy)methane	ND	18.2	16	88		13	72		40-140	21		30
Hexachlorocyclopentadiene	ND	18.2	12.J	66		9.5J	52		40-140	23		30
Isophorone	ND	18.2	18	99		14	77		40-140	25		30
Nitrobenzene	ND	18.2	16	88		13	72		40-140	21		30
NDPA/DPA	ND	18.2	17	94		14	77		40-140	19		30
n-Nitrosodi-n-propylamine	ND	18.2	18	99		15	83		29-132	18		30
Bis(2-ethylhexyl)phthalate	ND	18.2	16	88		12	66		40-140	29		30
Butyl benzyl phthalate	ND	18.2	21	120		17	94		40-140	21		30
Di-n-butylphthalate	ND	18.2	18	99		14	77		40-140	25		30
Di-n-octylphthalate	ND	18.2	17	94		14	77		40-140	19		30
Diethyl phthalate	ND	18.2	18	99		15	83		40-140	18		30
Dimethyl phthalate	ND	18.2	17	94		14	77		40-140	19		30
Biphenyl	ND	18.2	16	88		13	72		40-140	21		30
4-Chloroaniline	ND	18.2	14	77		12	66		40-140	15		30
2-Nitroaniline	ND	18.2	16	88		14	77		52-143	13		30
3-Nitroaniline	ND	18.2	16	88		13	72		25-145	21		30

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1223498-4 WG1223498-5 QC Sample: L1912755-01 Client ID: RIMW1_190329												
4-Nitroaniline	ND	18.2	18	99		15	83		51-143	18		30
Dibenzofuran	ND	18.2	16	88		13	72		40-140	21		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	14	77		12	66		2-134	15		30
Acetophenone	ND	18.2	18	99		15	83		39-129	18		30
2,4,6-Trichlorophenol	ND	18.2	16	88		12	66		30-130	29		30
p-Chloro-m-cresol	ND	18.2	18	99	Q	14	77		23-97	25		30
2-Chlorophenol	ND	18.2	15	83		12	66		27-123	22		30
2,4-Dichlorophenol	ND	18.2	16	88		13	72		30-130	21		30
2,4-Dimethylphenol	ND	18.2	14	77		13	72		30-130	7		30
2-Nitrophenol	ND	18.2	13	72		11	61		30-130	17		30
4-Nitrophenol	ND	18.2	16	88	Q	12	66		10-80	29		30
2,4-Dinitrophenol	ND	18.2	11.J	61		10.J	55		20-130	10		30
4,6-Dinitro-o-cresol	ND	18.2	12	66		9.0J	50		20-164	29		30
Phenol	ND	18.2	13	72		11	61		12-110	17		30
3-Methylphenol/4-Methylphenol	ND	18.2	16	88		13	72		30-130	21		30
2,4,5-Trichlorophenol	ND	18.2	16	88		14	77		30-130	13		30
Carbazole	ND	18.2	18	99		15	83		55-144	18		30
Atrazine	ND	18.2	24	130		19	100		40-140	23		30
Benzaldehyde	ND	18.2	17	94		14	77		40-140	19		30
Caprolactam	ND	18.2	12	66		9.8J	54		10-130	20		30
2,3,4,6-Tetrachlorophenol	ND	18.2	16	88		13	72		40-140	21		30

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1223498-4 WG1223498-5 QC Sample: L1912755-01 Client ID: RIMW1_190329												

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	84		66		10-120
2-Fluorobiphenyl	84		68		15-120
2-Fluorophenol	73		60		21-120
4-Terphenyl-d14	93		74		41-149
Nitrobenzene-d5	87		70		23-120
Phenol-d6	70		56		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1223500-4 WG1223500-5 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Acenaphthene	ND	18.2	17	94		14	77		40-140	19		40
2-Chloronaphthalene	ND	18.2	14	77		12	66		40-140	15		40
Fluoranthene	ND	18.2	17	94		15	83		40-140	13		40
Hexachlorobutadiene	ND	18.2	14	77		12	66		40-140	15		40
Naphthalene	ND	18.2	13	72		11	61		40-140	17		40
Benzo(a)anthracene	ND	18.2	18	99		16	88		40-140	12		40
Benzo(a)pyrene	ND	18.2	17	94		14	77		40-140	19		40
Benzo(b)fluoranthene	ND	18.2	14	77		15	83		40-140	7		40
Benzo(k)fluoranthene	ND	18.2	17	94		16	88		40-140	6		40
Chrysene	ND	18.2	18	99		15	83		40-140	18		40
Acenaphthylene	ND	18.2	15	83		12	66		40-140	22		40
Anthracene	ND	18.2	17	94		14	77		40-140	19		40
Benzo(ghi)perylene	ND	18.2	15	83		15	83		40-140	0		40
Fluorene	ND	18.2	21	120		15	83		40-140	33		40
Phenanthrene	ND	18.2	16	88		13	72		40-140	21		40
Dibenzo(a,h)anthracene	ND	18.2	16	88		13	72		40-140	21		40
Indeno(1,2,3-cd)pyrene	ND	18.2	16	88		13	72		40-140	21		40
Pyrene	ND	18.2	16	88		14	77		40-140	13		40
2-Methylnaphthalene	ND	18.2	12	66		11	61		40-140	9		40
Pentachlorophenol	0.11J	18.2	17	94		15	83		40-140	13		40
Hexachlorobenzene	ND	18.2	16	88		15	83		40-140	6		40
Hexachloroethane	ND	18.2	14	77		14	77		40-140	0		40

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Semivolatiles Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1223500-4 WG1223500-5 QC Sample: L1912755-01
Client ID: RIMW1_190329

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	119		81		10-120
2-Fluorobiphenyl	67		60		15-120
2-Fluorophenol	64		59		21-120
4-Terphenyl-d14	83		69		41-149
Nitrobenzene-d5	92		83		23-120
Phenol-d6	58		52		10-120

PCBS

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/04/19 15:01
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:44
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/19

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	0.036	J	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	0.036	J	ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	97		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/04/19 15:42
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:44
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/19

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	91		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	95		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/04/19 15:55
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:44
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/19

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	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	94		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
Client ID: RIMW5_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/04/19 16:09
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:44
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/19

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	67		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	81		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/04/19 16:22
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:44
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/19

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	80		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	93		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
Client ID: EB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/04/19 17:30
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:44
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/19

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	80		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	94		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 04/04/19 14:21
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:44
Cleanup Method: EPA 3665A
Cleanup Date: 04/03/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1222443-1						
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	56		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912755

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1222443-2 WG1222443-3									
Aroclor 1016	77		73		40-140	4		50	A
Aroclor 1260	72		69		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		78		30-150	A
Decachlorobiphenyl	89		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		72		30-150	B
Decachlorobiphenyl	90		87		30-150	B

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1222443-4 WG1222443-5 QC Sample: L1912755-01 Client ID: RIMW1_190329													
Aroclor 1016	ND	1.78	1.26	71		1.36	76		40-140	8		50	A
Aroclor 1260	0.036J	1.78	1.23	69		1.33	74		40-140	8		50	A

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	80		81		30-150	A
Decachlorobiphenyl	91		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		72		30-150	B
Decachlorobiphenyl	92		92		30-150	B

PESTICIDES

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/04/19 02:14
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
 Client ID: RIMW1_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
 Date Received: 03/29/19
 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	120		30-150	A
Decachlorobiphenyl	147		30-150	A
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	124		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/04/19 02:52
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

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	B
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	0.007	J	ug/l	0.014	0.005	1	B
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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
 Client ID: RIMW4_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
 Date Received: 03/29/19
 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	94		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	102		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/04/19 03:05
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

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:** L1912755**Project Number:** 16.6334**Report Date:** 04/09/19**SAMPLE RESULTS**

Lab ID: L1912755-03

Date Collected: 03/29/19 12:45

Client ID: RIMW6_190329

Date Received: 03/29/19

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	113		30-150	A
Decachlorobiphenyl	133		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	109		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
Client ID: RIMW5_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/04/19 03:18
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

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	0.006	J	ug/l	0.029	0.003	1	B
4,4'-DDT	0.031		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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
 Client ID: RIMW5_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
 Date Received: 03/29/19
 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	105		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	112		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04 RE
 Client ID: RIMW5_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
 Date Received: 03/29/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 04/09/19 14:44
 Analyst: BM

Extraction Method: EPA 3510C
 Extraction Date: 04/09/19 08:04

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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04 RE
 Client ID: RIMW5_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
 Date Received: 03/29/19
 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	68		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	70		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/04/19 03:30
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

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	IP	ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
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	81		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	90		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
Client ID: EB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
Date Received: 03/29/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/04/19 03:43
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

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
Project Number: 16.6334

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
 Client ID: EB01_190329
 Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
 Date Received: 03/29/19
 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	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	95		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/04/19 01:36
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1222447-1						
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: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/04/19 01:36
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/03/19 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1222447-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	136		30-150	A
Decachlorobiphenyl	145		30-150	A
2,4,5,6-Tetrachloro-m-xylene	131		30-150	B
Decachlorobiphenyl	129		30-150	B

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

Lab Number: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/09/19 14:56
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 04/08/19 19:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG1224380-1						
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: L1912755
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/09/19 14:56
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 04/08/19 19:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG1224380-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1222447-2 WG1222447-3									
Delta-BHC	119		101		30-150	16		20	A
Lindane	136		114		30-150	18		20	A
Alpha-BHC	132		111		30-150	17		20	A
Beta-BHC	144		130		30-150	10		20	A
Heptachlor	149		127		30-150	16		20	A
Aldrin	138		118		30-150	16		20	A
Heptachlor epoxide	155	Q	134		30-150	15		20	A
Endrin	162	Q	131		30-150	21	Q	20	A
Endrin aldehyde	144		118		30-150	20		20	A
Endrin ketone	162	Q	150		30-150	8		20	A
Dieldrin	153	Q	133		30-150	14		20	A
4,4'-DDE	142		124		30-150	14		20	A
4,4'-DDD	147		130		30-150	12		20	A
4,4'-DDT	152	Q	138		30-150	10		20	A
Endosulfan I	143		123		30-150	15		20	A
Endosulfan II	145		133		30-150	9		20	A
Endosulfan sulfate	146		134		30-150	9		20	A
Methoxychlor	155	Q	142		30-150	9		20	A
cis-Chlordane	148		120		30-150	21	Q	20	A
trans-Chlordane	139		122		30-150	13		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912755

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1222447-2 WG1222447-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	133		110		30-150	A
Decachlorobiphenyl	155	Q	138		30-150	A
2,4,5,6-Tetrachloro-m-xylene	135		106		30-150	B
Decachlorobiphenyl	138		119		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG1224380-2 WG1224380-3									
Delta-BHC	73		71		30-150	2		20	A
Lindane	84		83		30-150	2		20	A
Alpha-BHC	89		89		30-150	1		20	A
Beta-BHC	82		80		30-150	3		20	A
Heptachlor	69		72		30-150	3		20	A
Aldrin	63		69		30-150	10		20	A
Heptachlor epoxide	77		73		30-150	4		20	A
Endrin	90		88		30-150	3		20	A
Endrin aldehyde	79		77		30-150	3		20	A
Endrin ketone	101		97		30-150	4		20	A
Dieldrin	90		86		30-150	5		20	A
4,4'-DDE	83		81		30-150	3		20	A
4,4'-DDD	91		88		30-150	4		20	A
4,4'-DDT	89		85		30-150	4		20	A
Endosulfan I	81		78		30-150	3		20	A
Endosulfan II	87		83		30-150	5		20	A
Endosulfan sulfate	93		89		30-150	5		20	A
Methoxychlor	83		83		30-150	0		20	A
cis-Chlordane	70		66		30-150	7		20	A
trans-Chlordane	73		68		30-150	7		20	A

Lab Control Sample Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG1224380-2 WG1224380-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	66		73		30-150	A
Decachlorobiphenyl	96		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		71		30-150	B
Decachlorobiphenyl	79		76		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Organochlorine Pesticides by GC - Westborough Lab ID: RIMW1_190329 Associated sample(s): 01-06 QC Batch ID: WG1222447-4 WG1222447-5 QC Sample: L1912755-01 Client													
Delta-BHC	ND	0.357	0.367	103		0.356	100		30-150	3		30	A
Lindane	ND	0.357	0.416	116		0.397	111		30-150	5		30	A
Alpha-BHC	ND	0.357	0.409	115		0.389	109		30-150	5		30	A
Beta-BHC	ND	0.357	0.462	129		0.430	120		30-150	7		30	A
Heptachlor	ND	0.357	0.461	129		0.433	121		30-150	6		30	A
Aldrin	ND	0.357	0.421	118		0.400	112		30-150	5		30	A
Heptachlor epoxide	ND	0.357	0.486	136		0.464	130		30-150	5		30	A
Endrin	ND	0.357	0.474	133		0.449	126		30-150	5		30	A
Endrin aldehyde	ND	0.357	0.444	124		0.399	112		30-150	11		30	A
Endrin ketone	ND	0.357	0.526	147		0.489	137		30-150	7		30	A
Dieldrin	ND	0.357	0.483	135		0.453	127		30-150	6		30	A
4,4'-DDE	ND	0.357	0.451	126		0.428	120		30-150	5		30	A
4,4'-DDD	ND	0.357	0.467	131		0.446	125		30-150	5		30	A
4,4'-DDT	ND	0.357	0.508	142		0.474	133		30-150	7		30	A
Endosulfan I	ND	0.357	0.449	126		0.422	118		30-150	6		30	A
Endosulfan II	ND	0.357	0.470	132		0.448	125		30-150	5		30	A
Endosulfan sulfate	ND	0.357	0.482	135		0.446	125		30-150	8		30	A
Methoxychlor	ND	0.357	0.502	141		0.467	131		30-150	7		30	A
cis-Chlordane	ND	0.357	0.450	126		0.413	116		30-150	9		30	A
trans-Chlordane	ND	0.357	0.442	124		0.420	118		30-150	5		30	A

Matrix Spike Analysis**Batch Quality Control****Project Name:** HAMILTON HILL II TA1 SITE**Lab Number:** L1912755**Project Number:** 16.6334**Report Date:** 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1222447-4 WG1222447-5 QC Sample: L1912755-01 Client ID: RIMW1_190329

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	115		108		30-150	A
Decachlorobiphenyl	148		134		30-150	A
2,4,5,6-Tetrachloro-m-xylene	109		104		30-150	B
Decachlorobiphenyl	123		111		30-150	B

METALS

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01

Date Collected: 03/29/19 09:55

Client ID: RIMW1_190329

Date Received: 03/29/19

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	0.00682	J	mg/l	0.0100	0.00327	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Antimony, Total	0.00256	J	mg/l	0.00400	0.00042	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Barium, Total	0.01635		mg/l	0.00050	0.00017	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Calcium, Total	81.3		mg/l	0.100	0.0394	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Chromium, Total	0.00050	J	mg/l	0.00100	0.00017	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Iron, Total	0.0274	J	mg/l	0.0500	0.0191	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Magnesium, Total	5.62		mg/l	0.0700	0.0242	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Manganese, Total	0.01513		mg/l	0.00100	0.00044	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/01/19 11:29	04/01/19 21:38	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Potassium, Total	2.33		mg/l	0.100	0.0309	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Sodium, Total	28.6		mg/l	0.100	0.0293	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/02/19 21:10	04/03/19 14:04	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02

Date Collected: 03/29/19 10:50

Client ID: RIMW4_190329

Date Received: 03/29/19

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	0.0376		mg/l	0.0100	0.00327	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Antimony, Total	0.00424		mg/l	0.00400	0.00042	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00056		mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Barium, Total	0.03583		mg/l	0.00050	0.00017	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Calcium, Total	72.0		mg/l	0.100	0.0394	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Chromium, Total	0.00072	J	mg/l	0.00100	0.00017	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Copper, Total	0.00074	J	mg/l	0.00100	0.00038	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Iron, Total	0.103		mg/l	0.0500	0.0191	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Lead, Total	0.00037	J	mg/l	0.00100	0.00034	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Magnesium, Total	5.61		mg/l	0.0700	0.0242	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Manganese, Total	0.00967		mg/l	0.00100	0.00044	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/01/19 11:29	04/01/19 21:56	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Potassium, Total	5.89		mg/l	0.100	0.0309	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Sodium, Total	31.5		mg/l	0.100	0.0293	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Thallium, Total	0.00037	J	mg/l	0.00050	0.00014	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/02/19 21:10	04/03/19 14:22	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03

Date Collected: 03/29/19 12:45

Client ID: RIMW6_190329

Date Received: 03/29/19

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	0.0908		mg/l	0.0100	0.00327	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Antimony, Total	0.00132	J	mg/l	0.00400	0.00042	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00046	J	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Barium, Total	0.03628		mg/l	0.00050	0.00017	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Calcium, Total	112.		mg/l	0.100	0.0394	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Chromium, Total	0.00340		mg/l	0.00100	0.00017	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00026	J	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Copper, Total	0.00113		mg/l	0.00100	0.00038	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Iron, Total	0.225		mg/l	0.0500	0.0191	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Magnesium, Total	10.3		mg/l	0.0700	0.0242	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Manganese, Total	0.01136		mg/l	0.00100	0.00044	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/01/19 11:29	04/01/19 21:58	EPA 7470A	1,7470A	EA
Nickel, Total	0.00085	J	mg/l	0.00200	0.00055	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Potassium, Total	7.32		mg/l	0.100	0.0309	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Selenium, Total	0.00183	J	mg/l	0.00500	0.00173	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Sodium, Total	203.		mg/l	0.100	0.0293	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/02/19 21:10	04/03/19 14:27	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04

Date Collected: 03/29/19 13:15

Client ID: RIMW5_190329

Date Received: 03/29/19

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	0.0408		mg/l	0.0100	0.00327	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Antimony, Total	0.00106	J	mg/l	0.00400	0.00042	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00033	J	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Barium, Total	0.02273		mg/l	0.00050	0.00017	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Calcium, Total	89.6		mg/l	0.100	0.0394	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Chromium, Total	0.00118		mg/l	0.00100	0.00017	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00018	J	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Copper, Total	0.00078	J	mg/l	0.00100	0.00038	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Iron, Total	0.131		mg/l	0.0500	0.0191	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Magnesium, Total	7.60		mg/l	0.0700	0.0242	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Manganese, Total	0.01479		mg/l	0.00100	0.00044	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/01/19 11:29	04/01/19 22:00	EPA 7470A	1,7470A	EA
Nickel, Total	0.00061	J	mg/l	0.00200	0.00055	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Potassium, Total	9.87		mg/l	0.100	0.0309	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Selenium, Total	0.00319	J	mg/l	0.00500	0.00173	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Sodium, Total	150.		mg/l	0.100	0.0293	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/02/19 21:10	04/03/19 14:50	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05

Date Collected: 03/29/19 00:00

Client ID: FD01_190329

Date Received: 03/29/19

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	0.0842		mg/l	0.0100	0.00327	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Antimony, Total	0.00076	J	mg/l	0.00400	0.00042	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00038	J	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Barium, Total	0.03564		mg/l	0.00050	0.00017	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Calcium, Total	116.		mg/l	0.100	0.0394	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Chromium, Total	0.00355		mg/l	0.00100	0.00017	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00022	J	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Copper, Total	0.00108		mg/l	0.00100	0.00038	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Iron, Total	0.192		mg/l	0.0500	0.0191	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Magnesium, Total	10.5		mg/l	0.0700	0.0242	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Manganese, Total	0.00999		mg/l	0.00100	0.00044	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/01/19 11:29	04/01/19 22:02	EPA 7470A	1,7470A	EA
Nickel, Total	0.00078	J	mg/l	0.00200	0.00055	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Potassium, Total	7.54		mg/l	0.100	0.0309	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Sodium, Total	202.		mg/l	0.100	0.0293	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/02/19 21:10	04/03/19 14:55	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1912755**Project Number:** 16.6334**Report Date:** 04/09/19**SAMPLE RESULTS**

Lab ID: L1912755-06

Date Collected: 03/29/19 15:10

Client ID: EB01_190329

Date Received: 03/29/19

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	0.0100	0.00327	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/01/19 11:29	04/01/19 22:04	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Potassium, Total	0.246		mg/l	0.100	0.0309	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/02/19 21:10	04/03/19 15:31	EPA 3005A	1,6020B	AM



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

Lab Number: L1912755
Report Date: 04/09/19

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): 01-06 Batch: WG1221708-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	04/01/19 11:29	04/01/19 21:34	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): 01-06 Batch: WG1222294-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Antimony, Total	0.00078 J	mg/l	0.00400	0.00042	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Calcium, Total	ND	mg/l	0.100	0.0394	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Iron, Total	0.0198 J	mg/l	0.0500	0.0191	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	04/02/19 21:10	04/03/19 13:55	1,6020B	AM

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1221708-2								
Mercury, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1222294-2					
Aluminum, Total	106	-	80-120	-	
Antimony, Total	100	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	98	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	108	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	105	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	91	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1222294-2					
Zinc, Total	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

<u>Parameter</u>	<u>Native Sample</u>	<u>MS Added</u>	<u>MS Found</u>	<u>MS %Recovery</u>	<u>Qual</u>	<u>MSD Found</u>	<u>MSD %Recovery</u>	<u>Qual</u>	<u>Recovery Limits</u>	<u>RPD</u>	<u>Qual</u>	<u>RPD Limits</u>
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1221708-3 WG1221708-4 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Mercury, Total	ND	0.005	0.00510	102		0.00511	102		75-125	0		20

Matrix Spike Analysis

Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

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): 01-06 QC Batch ID: WG1222294-3 WG1222294-4 QC Sample: L1912755-01 Client ID: RIMW1_190329									
Aluminum, Total	0.00682J	2	2.15	108	2.13	106	75-125	1	20
Antimony, Total	0.00256J	0.5	0.5282	106	0.5588	112	75-125	6	20
Arsenic, Total	ND	0.12	0.1258	105	0.1189	99	75-125	6	20
Barium, Total	0.01635	2	2.185	108	2.177	108	75-125	0	20
Beryllium, Total	ND	0.05	0.05386	108	0.05346	107	75-125	1	20
Cadmium, Total	ND	0.051	0.05498	108	0.05491	108	75-125	0	20
Calcium, Total	81.3	10	90.8	95	90.6	93	75-125	0	20
Chromium, Total	0.00050J	0.2	0.2035	102	0.2055	103	75-125	1	20
Cobalt, Total	ND	0.5	0.5109	102	0.5072	101	75-125	1	20
Copper, Total	ND	0.25	0.2507	100	0.2446	98	75-125	2	20
Iron, Total	0.0274J	1	1.06	106	1.04	104	75-125	2	20
Lead, Total	ND	0.51	0.5548	109	0.5475	107	75-125	1	20
Magnesium, Total	5.62	10	15.8	102	15.7	101	75-125	1	20
Manganese, Total	0.01513	0.5	0.5319	103	0.5319	103	75-125	0	20
Nickel, Total	ND	0.5	0.5134	103	0.4998	100	75-125	3	20
Potassium, Total	2.33	10	12.3	100	12.2	99	75-125	1	20
Selenium, Total	ND	0.12	0.128	107	0.122	102	75-125	5	20
Silver, Total	ND	0.05	0.05177	104	0.05285	106	75-125	2	20
Sodium, Total	28.6	10	37.1	85	36.9	83	75-125	1	20
Thallium, Total	ND	0.12	0.1209	101	0.1209	101	75-125	0	20
Vanadium, Total	ND	0.5	0.5259	105	0.5273	105	75-125	0	20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

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): 01-06 QC Batch ID: WG1222294-3 WG1222294-4 QC Sample: L1912755-01 Client ID: RIMW1_190329									
Zinc, Total	ND	0.5	0.5249	105	0.5229	104	75-125	0	20

INORGANICS & MISCELLANEOUS

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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-01
Client ID: RIMW1_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 09:55
Date Received: 03/29/19
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	03/31/19 14:35	04/01/19 13:16	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/30/19 07:30	03/30/19 08:37	1,7196A	MA



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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-02
Client ID: RIMW4_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 10:50
Date Received: 03/29/19
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	03/31/19 14:35	04/01/19 13:19	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/30/19 07:30	03/30/19 08:37	1,7196A	MA



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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-03
Client ID: RIMW6_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 12:45
Date Received: 03/29/19
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	03/31/19 14:35	04/01/19 13:20	1,9010C/9012B	LH
Chromium, Hexavalent	0.004	J	mg/l	0.010	0.003	1	03/30/19 07:30	03/30/19 08:38	1,7196A	MA



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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-04
Client ID: RIMW5_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 13:15
Date Received: 03/29/19
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	03/31/19 14:35	04/01/19 13:23	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/30/19 07:30	03/30/19 08:38	1,7196A	MA



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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-05
Client ID: FD01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 00:00
Date Received: 03/29/19
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	03/31/19 14:35	04/01/19 13:24	1,9010C/9012B	LH
Chromium, Hexavalent	0.004	J	mg/l	0.010	0.003	1	03/30/19 07:30	03/30/19 08:39	1,7196A	MA



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

Lab Number: L1912755
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1912755-06
Client ID: EB01_190329
Sample Location: SCHENECTADY, NY

Date Collected: 03/29/19 15:10
Date Received: 03/29/19
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	03/31/19 14:35	04/01/19 13:25	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/30/19 07:30	03/30/19 08:39	1,7196A	MA



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

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): 01-06 Batch: WG1221339-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/30/19 07:30	03/30/19 08:32	1,7196A	MA
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1221514-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/31/19 14:35	04/01/19 12:49	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1221339-2								
Chromium, Hexavalent	97		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1221514-2 WG1221514-3								
Cyanide, Total	102		102		85-115	0		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1912755
Report Date: 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1221339-4 WG1221339-5 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Chromium, Hexavalent	ND	0.1	0.095	95		0.095	95		85-115	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1221514-4 WG1221514-5 QC Sample: L1912755-01 Client ID: RIMW1_190329												
Cyanide, Total	ND	0.2	0.198	99		0.202	101		80-120	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912755

Report Date: 04/09/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1221339-3 QC Sample: L1912755-01 Client ID: RIMW1_190329						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1912755**Project Number:** 16.6334**Report Date:** 04/09/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912755-01A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01A1	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01A2	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01B1	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01B2	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01C1	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01C2	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-01D	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-01D1	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-01D2	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-01E	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-01E1	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-01E2	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-01F	Plastic 250ml unpreserved	A	7	7	2.9	Y	Absent		HEXCR-7196(1)
L1912755-01F1	Plastic 250ml unpreserved	A	7	7	2.9	Y	Absent		HEXCR-7196(1)
L1912755-01F2	Plastic 250ml unpreserved	A	7	7	2.9	Y	Absent		HEXCR-7196(1)

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

Serial_No:04091920:53
Lab Number: L1912755
Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912755-01G	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-01G1	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-01G2	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-01H	Plastic 250ml NaOH preserved	A	>12	>12	2.9	Y	Absent		TCN-9010(14)
L1912755-01H1	Plastic 250ml NaOH preserved	A	>12	>12	2.9	Y	Absent		TCN-9010(14)
L1912755-01H2	Plastic 250ml NaOH preserved	A	>12	>12	2.9	Y	Absent		TCN-9010(14)
L1912755-01I	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-01I1	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-01I2	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-01J	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-01J1	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-01J2	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-01K	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-01K1	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-01K2	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-01L	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)

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

Serial_No:04091920:53
Lab Number: L1912755
Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912755-01L1	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-01L2	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-01M	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-01M1	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-01M2	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-01N	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-01N1	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-01N2	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-01O	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-01O1	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-01O2	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-01P	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-01P1	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-01P2	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-02A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-02B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-02C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-02D	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-02E	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-02F	Plastic 250ml unpreserved	A	7	7	2.9	Y	Absent		HEXCR-7196(1)
L1912755-02G	Plastic 250ml HNO3 preserved	D	<2	<2	4.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-02H	Plastic 250ml NaOH preserved	A	>12	>12	2.9	Y	Absent		TCN-9010(14)
L1912755-02I	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8082-LVI(7)
L1912755-02J	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912755-02K	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8081(7)
L1912755-02L	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8081(7)
L1912755-02M	Amber 250ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-02N	Amber 250ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-02O	Amber 500ml unpreserved	D	7	7	4.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-02P	Amber 500ml unpreserved	D	7	7	4.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-03A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-03B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-03C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-03D	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-03E	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-03F	Plastic 250ml unpreserved	A	7	7	2.9	Y	Absent		HEXCR-7196(1)
L1912755-03G	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-03H	Plastic 250ml NaOH preserved	A	>12	>12	2.9	Y	Absent		TCN-9010(14)
L1912755-03I	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-03J	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-03K	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-03L	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-03M	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-03N	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-03O	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-03P	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-04A	Vial HCl preserved	D	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-04B	Vial HCl preserved	D	NA		4.9	Y	Absent		NYTCL-8260-R2(14)

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

Serial_No:04091920:53
Lab Number: L1912755
Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912755-04C	Vial HCl preserved	D	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-04F	Plastic 250ml unpreserved	D	7	7	4.9	Y	Absent		HEXCR-7196(1)
L1912755-04G	Plastic 250ml HNO3 preserved	D	<2	<2	4.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-04H	Plastic 250ml NaOH preserved	D	>12	>12	4.9	Y	Absent		TCN-9010(14)
L1912755-04I	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8082-LVI(7)
L1912755-04J	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8082-LVI(7)
L1912755-04K	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8081(7)
L1912755-04L	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8081(7)
L1912755-04M	Amber 250ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-04N	Amber 250ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-05A	Vial HCl preserved	D	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-05B	Vial HCl preserved	D	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-05C	Vial HCl preserved	D	NA		4.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-05D	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-05E	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-05F	Plastic 250ml unpreserved	D	7	7	4.9	Y	Absent		HEXCR-7196(1)
L1912755-05G	Plastic 250ml HNO3 preserved	D	<2	<2	4.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-05H	Plastic 250ml NaOH preserved	D	>12	>12	4.9	Y	Absent		TCN-9010(14)
L1912755-05I	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8082-LVI(7)
L1912755-05J	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912755

Project Number: 16.6334

Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912755-05K	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8081(7)
L1912755-05L	Amber 120ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8081(7)
L1912755-05M	Amber 250ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-05N	Amber 250ml unpreserved	D	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-05O	Amber 500ml unpreserved	D	7	7	4.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-05P	Amber 500ml unpreserved	D	7	7	4.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-06A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-06B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-06C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-06D	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-06E	Plastic 250ml Trizma preserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)
L1912755-06F	Plastic 250ml unpreserved	A	7	7	2.9	Y	Absent		HEXCR-7196(1)
L1912755-06G	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912755-06H	Plastic 250ml NaOH preserved	A	>12	>12	2.9	Y	Absent		TCN-9010(14)
L1912755-06I	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-06J	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1912755-06K	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-06L	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1912755-06M	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-06N	Amber 250ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912755-06O	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-06P	Amber 500ml unpreserved	B	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1912755-07A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L1912755-07B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)

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

Serial_No:04091920:53
Lab Number: L1912755
Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912755-08A	Plastic 250ml unpreserved	C	NA		2.3	Y	Absent		A2-NY-537-ISOTOPE(14)

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

Lab Number: L1912755
Report Date: 04/09/19

GLOSSARY

Acronyms

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

Footnotes

Report Format: DU Report with 'J' Qualifiers



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

Lab Number: L1912755
Report Date: 04/09/19

- 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: L1912755
Report Date: 04/09/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 122 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

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 its 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.

 NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 3/30/19		ALPHA Job # 1912755																																																																																																																																					
	Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>Hamilton Hill II TA1 Site</u> Project Location: <u>Schenectady, NY</u> Project # <u>16.6334</u>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #																																																																																																																																			
Client Information Client: <u>C.T. Mole Associates</u> Address: <u>50 Century Hill Dr</u> <u>Latham, NY 12110</u> Phone: <u>518 782 7400</u> Fax: <u>A.Smith@CTMole.com</u> Email: <u>R.Moline@CTMole.com</u>		(Use Project name as Project #) <input type="checkbox"/> Project Manager: <u>Kirk Moline</u> ALPHAQuote #:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																						
These samples have been previously analyzed by Alpha <input type="checkbox"/>		Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)		T o t a l B o t t l e																																																																																																																																				
Other project specific requirements/comments:		Please specify Metals or TAL.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th colspan="2">Collection</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th>TCL VOC+TIC</th> <th>TCL SVOC+TIC</th> <th>TCL Pest</th> <th>TCL PCB</th> <th>TAL Metals</th> <th>incl. mercury expands hexachlor</th> <th>PFAS</th> <th>1,4-Dioxane</th> <th>Sample Specific Comments</th> </tr> <tr> <td>12755-01</td> <td>R1MW1-190329</td> <td>3/29/19</td> <td>0955</td> <td>GW</td> <td>RL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>MS/MSD here</td> </tr> <tr> <td>-02</td> <td>R1MW4-190329</td> <td></td> <td>1050</td> <td>GW</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-03</td> <td>R1MW6-190329</td> <td></td> <td>1245</td> <td>GW</td> <td>RL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-04</td> <td>R1MW5-190329</td> <td></td> <td>1315</td> <td>GW</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>← No PFAS, 1,4-D</td> </tr> <tr> <td>-05</td> <td>FD01-190329</td> <td></td> <td>-</td> <td>GW</td> <td>RL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-06</td> <td>EB01-190329</td> <td></td> <td>1510</td> <td>Water</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-07</td> <td>LTB01-190329</td> <td></td> <td>-</td> <td>Water</td> <td>-</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-08</td> <td>FTB01-190329</td> <td></td> <td></td> <td>Water</td> <td>RL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> </tr> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID		Collection		Sample Matrix	Sampler's Initials	TCL VOC+TIC	TCL SVOC+TIC	TCL Pest	TCL PCB	TAL Metals	incl. mercury expands hexachlor	PFAS	1,4-Dioxane	Sample Specific Comments	12755-01	R1MW1-190329	3/29/19	0955	GW	RL	X	X	X	X	X	X	X	X	MS/MSD here	-02	R1MW4-190329		1050	GW	DA	X	X	X	X	X	X	X	X		-03	R1MW6-190329		1245	GW	RL	X	X	X	X	X	X	X	X		-04	R1MW5-190329		1315	GW	DA	X	X	X	X	X	X	X	X	← No PFAS, 1,4-D	-05	FD01-190329		-	GW	RL	X	X	X	X	X	X	X	X		-06	EB01-190329		1510	Water	DA	X	X	X	X	X	X	X	X		-07	LTB01-190329		-	Water	-	X						X			-08	FTB01-190329			Water	RL							X	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TCL VOC+TIC	TCL SVOC+TIC	TCL Pest	TCL PCB	TAL Metals	incl. mercury expands hexachlor	PFAS	1,4-Dioxane	Sample Specific Comments																																																																																																																														
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-03	R1MW6-190329		1245	GW	RL	X	X	X	X	X	X	X	X																																																																																																																															
-04	R1MW5-190329		1315	GW	DA	X	X	X	X	X	X	X	X	← No PFAS, 1,4-D																																																																																																																														
-05	FD01-190329		-	GW	RL	X	X	X	X	X	X	X	X																																																																																																																															
-06	EB01-190329		1510	Water	DA	X	X	X	X	X	X	X	X																																																																																																																															
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-08	FTB01-190329			Water	RL							X																																																																																																																																
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type VA A A A P P P A		Preservative B A A A C E/A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																		
Relinquished By: <u>[Signature]</u>		Date/Time: <u>3/29/19 1630</u>		Received By: <u>[Signature]</u>		Date/Time: <u>3/29/19 1630</u>		Date/Time: <u>3/30/19 0100</u>																																																																																																																																				



ANALYTICAL REPORT

Lab Number:	L1912981
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:	04/08/19

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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: L1912981
Report Date: 04/08/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1912981-01	RIMW3_190401	WATER	SCHENECTADY, NY	04/01/19 11:35	04/01/19
L1912981-02	RIMW3D_190401	WATER	SCHENECTADY, NY	04/01/19 14:45	04/01/19
L1912981-03	MW5_190401	WATER	SCHENECTADY, NY	04/01/19 16:20	04/01/19
L1912981-04	LTB01_190401	WATER	SCHENECTADY, NY	04/01/19 00:00	04/01/19

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

Lab Number: L1912981
Report Date: 04/08/19

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: L1912981
Report Date: 04/08/19

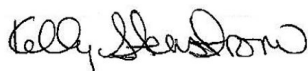
Case Narrative (continued)

Report Submission

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

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: 04/08/19

ORGANICS

VOLATILES

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 22:22
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	2.3	J	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	7.2		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
Project Number: 16.6334

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

Total TIC Compounds	3.14	J	ug/l			1
Sulfur Dioxide	3.14	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
 Client ID: RIMW3D_190401
 Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
 Date Received: 04/01/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/04/19 22:47
 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
Project Number: 16.6334

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
Client ID: RIMW3D_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

Total TIC Compounds	2.82	J	ug/l	1
Sulfur Dioxide	2.82	NJ	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 23:12
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	11		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	0.86		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	2.1		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	3.0		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
Project Number: 16.6334

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
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	3.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

Total TIC Compounds	2.75	J	ug/l			1
Sulfur Dioxide	2.75	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-04
 Client ID: LTB01_190401
 Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 00:00
 Date Received: 04/01/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/04/19 11:51
 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
Project Number: 16.6334

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-04
Client ID: LTB01_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 00:00
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 10:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1223062-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 10:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1223062-5					
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: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 10:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1223062-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 20:41
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1223550-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 20:41
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1223550-5					
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

Total TIC Compounds	3.86	J	ug/l
Sulfur Dioxide	3.86	NJ	ug/l

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 20:41
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1223550-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

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: WG1223062-3 WG1223062-4								
Methylene chloride	100		87		70-130	14		20
1,1-Dichloroethane	100		87		70-130	14		20
Chloroform	100		85		70-130	16		20
Carbon tetrachloride	96		81		63-132	17		20
1,2-Dichloropropane	110		92		70-130	18		20
Dibromochloromethane	110		92		63-130	18		20
1,1,2-Trichloroethane	100		88		70-130	13		20
Tetrachloroethene	94		80		70-130	16		20
Chlorobenzene	99		85		75-130	15		20
Trichlorofluoromethane	95		81		62-150	16		20
1,2-Dichloroethane	100		89		70-130	12		20
1,1,1-Trichloroethane	98		84		67-130	15		20
Bromodichloromethane	110		89		67-130	21	Q	20
trans-1,3-Dichloropropene	97		81		70-130	18		20
cis-1,3-Dichloropropene	100		85		70-130	16		20
Bromoform	110		95		54-136	15		20
1,1,2,2-Tetrachloroethane	110		90		67-130	20		20
Benzene	98		82		70-130	18		20
Toluene	95		81		70-130	16		20
Ethylbenzene	93		79		70-130	16		20
Chloromethane	91		77		64-130	17		20
Bromomethane	57		48		39-139	17		20
Vinyl chloride	100		89		55-140	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

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: WG1223062-3 WG1223062-4								
Chloroethane	94		78		55-138	19		20
1,1-Dichloroethene	97		82		61-145	17		20
trans-1,2-Dichloroethene	95		83		70-130	13		20
Trichloroethene	96		83		70-130	15		20
1,2-Dichlorobenzene	98		83		70-130	17		20
1,3-Dichlorobenzene	94		80		70-130	16		20
1,4-Dichlorobenzene	93		80		70-130	15		20
Methyl tert butyl ether	100		84		63-130	17		20
p/m-Xylene	95		80		70-130	17		20
o-Xylene	100		80		70-130	22	Q	20
cis-1,2-Dichloroethene	100		85		70-130	16		20
Styrene	100		85		70-130	16		20
Dichlorodifluoromethane	130		110		36-147	17		20
Acetone	100		86		58-148	15		20
Carbon disulfide	100		88		51-130	13		20
2-Butanone	77		58	Q	63-138	28	Q	20
4-Methyl-2-pentanone	110		94		59-130	16		20
2-Hexanone	93		77		57-130	19		20
Bromochloromethane	120		100		70-130	18		20
1,2-Dibromoethane	110		92		70-130	18		20
1,2-Dibromo-3-chloropropane	100		89		41-144	12		20
Isopropylbenzene	89		77		70-130	14		20
1,2,3-Trichlorobenzene	96		84		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

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: WG1223062-3 WG1223062-4								
1,2,4-Trichlorobenzene	96		81		70-130	17		20
Methyl Acetate	86		71		70-130	19		20
Cyclohexane	100		92		70-130	8		20
1,4-Dioxane	112		90		56-162	22	Q	20
Freon-113	97		81		70-130	18		20
Methyl cyclohexane	84		76		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS		LCSD		%Recovery		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	Limits	RPD			
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1223550-3 WG1223550-4									
Methylene chloride	100		99		70-130	1			20
1,1-Dichloroethane	100		100		70-130	0			20
Chloroform	100		100		70-130	0			20
Carbon tetrachloride	100		97		63-132	3			20
1,2-Dichloropropane	100		100		70-130	0			20
Dibromochloromethane	96		95		63-130	1			20
1,1,2-Trichloroethane	110		100		70-130	10			20
Tetrachloroethene	99		94		70-130	5			20
Chlorobenzene	100		100		75-130	0			20
Trichlorofluoromethane	89		84		62-150	6			20
1,2-Dichloroethane	100		100		70-130	0			20
1,1,1-Trichloroethane	100		97		67-130	3			20
Bromodichloromethane	110		100		67-130	10			20
trans-1,3-Dichloropropene	97		96		70-130	1			20
cis-1,3-Dichloropropene	100		97		70-130	3			20
Bromoform	100		100		54-136	0			20
1,1,2,2-Tetrachloroethane	100		110		67-130	10			20
Benzene	100		99		70-130	1			20
Toluene	100		98		70-130	2			20
Ethylbenzene	100		98		70-130	2			20
Chloromethane	86		80		64-130	7			20
Bromomethane	91		85		39-139	7			20
Vinyl chloride	89		82		55-140	8			20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1223550-3 WG1223550-4								
Chloroethane	98		96		55-138	2		20
1,1-Dichloroethene	97		92		61-145	5		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	98		96		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	78		74		36-147	5		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	96		97		59-130	1		20
2-Hexanone	97		98		57-130	1		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Isopropylbenzene	98		97		70-130	1		20
1,2,3-Trichlorobenzene	97		96		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1223550-3 WG1223550-4								
1,2,4-Trichlorobenzene	97		96		70-130	1		20
Methyl Acetate	110		100		70-130	10		20
Cyclohexane	90		86		70-130	5		20
1,4-Dioxane	122		120		56-162	2		20
Freon-113	88		84		70-130	5		20
Methyl cyclohexane	94		90		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	102		101		70-130

SEMIVOLATILES

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/08/19 11:27
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	6.15	J	ug/l			1
Tetrachloroethene	1.53	NJ	ug/l			1
Aldol Condensates	4.62	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	86		41-149

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
 Client ID: RIMW3_190401
 Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
 Date Received: 04/01/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/07/19 11:02
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 04/06/19 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.05	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
 Client ID: RIMW3_190401
 Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
 Date Received: 04/01/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	76		41-149

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
Client ID: RIMW3D_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/08/19 11:52
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
 Client ID: RIMW3D_190401
 Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
 Date Received: 04/01/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	14.		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	3.74	J	ug/l			1
Aldol Condensates	3.74	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	38		10-120
4-Terphenyl-d14	75		41-149

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
Client ID: RIMW3D_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/07/19 11:26
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.03	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
 Client ID: RIMW3D_190401
 Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
 Date Received: 04/01/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	77		41-149

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/08/19 12:18
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	8.44	J	ug/l			1
Aldol Condensates	5.24	J	ug/l			1
Unknown	3.20	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	87		41-149

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/07/19 11:50
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
 Client ID: MW5_190401
 Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
 Date Received: 04/01/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	79		41-149

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/19 06:19
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1223720-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

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

Lab Number: L1912981
Report Date: 04/08/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 04/08/19 06:19
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1223720-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
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	3.70	J	ug/l
Aldol Condensates	1.85	J	ug/l
Unknown	1.85	J	ug/l

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

Lab Number: L1912981
Report Date: 04/08/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 04/08/19 06:19
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1223720-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	71		41-149

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/07/19 09:52
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1223721-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/07/19 09:52
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1223721-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	80		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1223720-2 WG1223720-3								
Bis(2-chloroethyl)ether	68		75		40-140	10		30
3,3'-Dichlorobenzidine	44		56		40-140	24		30
2,4-Dinitrotoluene	75		82		48-143	9		30
2,6-Dinitrotoluene	79		83		40-140	5		30
4-Chlorophenyl phenyl ether	72		78		40-140	8		30
4-Bromophenyl phenyl ether	74		79		40-140	7		30
Bis(2-chloroisopropyl)ether	70		76		40-140	8		30
Bis(2-chloroethoxy)methane	75		82		40-140	9		30
Hexachlorocyclopentadiene	49		54		40-140	10		30
Isophorone	78		86		40-140	10		30
Nitrobenzene	70		76		40-140	8		30
NDPA/DPA	79		85		40-140	7		30
n-Nitrosodi-n-propylamine	81		87		29-132	7		30
Bis(2-ethylhexyl)phthalate	72		76		40-140	5		30
Butyl benzyl phthalate	85		90		40-140	6		30
Di-n-butylphthalate	79		84		40-140	6		30
Di-n-octylphthalate	81		83		40-140	2		30
Diethyl phthalate	86		92		40-140	7		30
Dimethyl phthalate	84		88		40-140	5		30
Biphenyl	75		80		40-140	6		30
4-Chloroaniline	28	Q	33	Q	40-140	16		30
2-Nitroaniline	73		78		52-143	7		30
3-Nitroaniline	49		57		25-145	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1223720-2 WG1223720-3								
4-Nitroaniline	70		79		51-143	12		30
Dibenzofuran	72		78		40-140	8		30
1,2,4,5-Tetrachlorobenzene	67		71		2-134	6		30
Acetophenone	81		88		39-129	8		30
2,4,6-Trichlorophenol	75		79		30-130	5		30
p-Chloro-m-cresol	81		86		23-97	6		30
2-Chlorophenol	67		73		27-123	9		30
2,4-Dichlorophenol	74		79		30-130	7		30
2,4-Dimethylphenol	49		53		30-130	8		30
2-Nitrophenol	59		64		30-130	8		30
4-Nitrophenol	65		70		10-80	7		30
2,4-Dinitrophenol	62		64		20-130	3		30
4,6-Dinitro-o-cresol	54		58		20-164	7		30
Phenol	55		59		12-110	7		30
3-Methylphenol/4-Methylphenol	68		73		30-130	7		30
2,4,5-Trichlorophenol	76		82		30-130	8		30
Carbazole	80		89		55-144	11		30
Atrazine	106		112		40-140	6		30
Benzaldehyde	76		82		40-140	8		30
Caprolactam	43		46		10-130	7		30
2,3,4,6-Tetrachlorophenol	72		75		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

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): 01-03 Batch: WG1223720-2 WG1223720-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		59		21-120
Phenol-d6	51		55		10-120
Nitrobenzene-d5	67		72		23-120
2-Fluorobiphenyl	69		73		15-120
2,4,6-Tribromophenol	69		73		10-120
4-Terphenyl-d14	75		81		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1223721-2 WG1223721-3								
Acenaphthene	72		91		40-140	23		40
2-Chloronaphthalene	68		78		40-140	14		40
Fluoranthene	74		90		40-140	20		40
Hexachlorobutadiene	68		80		40-140	16		40
Naphthalene	65		78		40-140	18		40
Benzo(a)anthracene	82		99		40-140	19		40
Benzo(a)pyrene	72		89		40-140	21		40
Benzo(b)fluoranthene	75		89		40-140	17		40
Benzo(k)fluoranthene	75		94		40-140	22		40
Chrysene	81		98		40-140	19		40
Acenaphthylene	72		88		40-140	20		40
Anthracene	74		92		40-140	22		40
Benzo(ghi)perylene	65		83		40-140	24		40
Fluorene	77		97		40-140	23		40
Phenanthrene	70		87		40-140	22		40
Dibenzo(a,h)anthracene	69		88		40-140	24		40
Indeno(1,2,3-cd)pyrene	69		89		40-140	25		40
Pyrene	74		86		40-140	15		40
2-Methylnaphthalene	68		77		40-140	12		40
Pentachlorophenol	91		103		40-140	12		40
Hexachlorobenzene	70		83		40-140	17		40
Hexachloroethane	66		78		40-140	17		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1223721-2 WG1223721-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> <i>Criteria</i>
2-Fluorophenol	56		66		21-120
Phenol-d6	46		55		10-120
Nitrobenzene-d5	71		85		23-120
2-Fluorobiphenyl	62		71		15-120
2,4,6-Tribromophenol	76		84		10-120
4-Terphenyl-d14	63		75		41-149

PCBS

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 18:15
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	69		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	84		30-150	B

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
Client ID: RIMW3D_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 18:29
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	72		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	93		30-150	B

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 18:42
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	70		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	89		30-150	B

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

Lab Number: L1912981
Report Date: 04/08/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 04/07/19 19:23
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:40
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1223723-1						
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	66		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1223723-2 WG1223723-3									
Aroclor 1016	49		71		40-140	37		50	A
Aroclor 1260	43		64		40-140	40		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		68		30-150	A
Decachlorobiphenyl	53		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		64		30-150	B
Decachlorobiphenyl	62		84		30-150	B

PESTICIDES

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/05/19 23:38
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 07:31

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
Project Number: 16.6334

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
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	56		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	66		30-150	B

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
Client ID: RIMW3D_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/06/19 01:07
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 07:31

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
Project Number: 16.6334

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
Client ID: RIMW3D_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
Date Received: 04/01/19
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	59		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	65		30-150	B

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/06/19 01:19
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 07:31

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
Project Number: 16.6334

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
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	50		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	56		30-150	B

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/19 20:40
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 07:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1223378-1						
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: L1912981
Report Date: 04/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/19 20:40
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 07:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1223378-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1223378-2 WG1223378-3									
Delta-BHC	49		54		30-150	10		20	A
Lindane	58		63		30-150	8		20	A
Alpha-BHC	58		62		30-150	8		20	A
Beta-BHC	63		71		30-150	12		20	A
Heptachlor	61		66		30-150	8		20	A
Aldrin	58		64		30-150	10		20	A
Heptachlor epoxide	63		71		30-150	12		20	A
Endrin	61		72		30-150	17		20	A
Endrin aldehyde	48		58		30-150	20		20	A
Endrin ketone	65		74		30-150	13		20	A
Dieldrin	62		70		30-150	13		20	A
4,4'-DDE	56		63		30-150	12		20	A
4,4'-DDD	58		68		30-150	15		20	A
4,4'-DDT	59		75		30-150	25	Q	20	A
Endosulfan I	58		71		30-150	20		20	A
Endosulfan II	59		67		30-150	11		20	A
Endosulfan sulfate	60		67		30-150	10		20	A
Methoxychlor	60		84		30-150	33	Q	20	A
cis-Chlordane	56		64		30-150	13		20	A
trans-Chlordane	58		66		30-150	13		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1223378-2 WG1223378-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	57		60		30-150	A
Decachlorobiphenyl	64		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		55		30-150	B
Decachlorobiphenyl	63		70		30-150	B

METALS

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01

Date Collected: 04/01/19 11:35

Client ID: RIMW3_190401

Date Received: 04/01/19

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	0.0428		mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Antimony, Total	0.00085	J	mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00035	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Barium, Total	0.02283		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Calcium, Total	43.1		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Chromium, Total	0.00066	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00018	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Copper, Total	0.00079	J	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Iron, Total	0.0941		mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Magnesium, Total	5.45		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Manganese, Total	0.02436		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/02/19 09:33	04/02/19 19:17	EPA 7470A	1,7470A	EA
Nickel, Total	0.00060	J	mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Potassium, Total	7.08		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Selenium, Total	0.00307	J	mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Sodium, Total	74.1		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Thallium, Total	0.00014	J	mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 14:56	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02

Date Collected: 04/01/19 14:45

Client ID: RIMW3D_190401

Date Received: 04/01/19

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	0.0250		mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Antimony, Total	0.00052	J	mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00203		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Barium, Total	0.1304		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Calcium, Total	122.		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Chromium, Total	0.00035	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00079		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Iron, Total	0.215		mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Magnesium, Total	21.3		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Manganese, Total	0.4140		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/02/19 09:33	04/02/19 19:19	EPA 7470A	1,7470A	EA
Nickel, Total	0.00077	J	mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Potassium, Total	4.86		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Sodium, Total	83.5		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 15:00	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03

Date Collected: 04/01/19 16:20

Client ID: MW5_190401

Date Received: 04/01/19

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	0.00814	J	mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00021	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Barium, Total	0.01743		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Calcium, Total	74.3		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Chromium, Total	0.00038	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Copper, Total	0.00066	J	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Iron, Total	0.0405	J	mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Magnesium, Total	5.98		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Manganese, Total	0.2674		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/02/19 09:33	04/02/19 19:21	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Potassium, Total	6.05		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Sodium, Total	36.5		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 15:04	EPA 3005A	1,6020B	AM



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

Lab Number: L1912981
Report Date: 04/08/19

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): 01-03 Batch: WG1222056-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	04/02/19 09:33	04/02/19 19:06	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): 01-03 Batch: WG1222752-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Antimony, Total	0.00077 J	mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Calcium, Total	0.0464 J	mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Iron, Total	0.0202 J	mg/l	0.0550	0.0191	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM

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

Lab Number: L1912981
Report Date: 04/08/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1222056-2								
Mercury, Total	102		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1222752-2					
Aluminum, Total	111	-	80-120	-	
Antimony, Total	118	-	80-120	-	
Arsenic, Total	107	-	80-120	-	
Barium, Total	112	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	115	-	80-120	-	
Calcium, Total	103	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	116	-	80-120	-	
Magnesium, Total	112	-	80-120	-	
Manganese, Total	107	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	105	-	80-120	-	
Selenium, Total	117	-	80-120	-	
Silver, Total	111	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	108	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1222752-2					
Zinc, Total	110	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1912981
Report Date: 04/08/19

<u>Parameter</u>	<u>Native Sample</u>	<u>MS Added</u>	<u>MS Found</u>	<u>MS %Recovery</u>	<u>Qual</u>	<u>MSD Found</u>	<u>MSD %Recovery</u>	<u>Qual</u>	<u>Recovery Limits</u>	<u>RPD</u>	<u>Qual</u>	<u>RPD Limits</u>
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1222056-3 QC Sample: L1912713-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00518	104		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1912981
Report Date: 04/08/19

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): 01-03 QC Batch ID: WG1222752-3 QC Sample: L1913113-01 Client ID: MS Sample									
Aluminum, Total	0.0260	2	2.24	111	-	-	75-125	-	20
Antimony, Total	0.00095J	0.5	0.6551	131	Q	-	75-125	-	20
Arsenic, Total	0.00061	0.12	0.1404	116	-	-	75-125	-	20
Barium, Total	0.02038	2	2.200	109	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04864	97	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05786	113	-	-	75-125	-	20
Calcium, Total	97.3	10	104	67	Q	-	75-125	-	20
Chromium, Total	0.00306	0.2	0.2111	104	-	-	75-125	-	20
Cobalt, Total	0.00017J	0.5	0.5184	104	-	-	75-125	-	20
Copper, Total	0.00064J	0.25	0.2543	102	-	-	75-125	-	20
Iron, Total	0.0474J	1	0.941	94	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5882	115	-	-	75-125	-	20
Magnesium, Total	10.3	10	21.1	108	-	-	75-125	-	20
Manganese, Total	0.00587	0.5	0.5393	107	-	-	75-125	-	20
Nickel, Total	0.00059J	0.5	0.5260	105	-	-	75-125	-	20
Potassium, Total	4.74	10	15.4	107	-	-	75-125	-	20
Selenium, Total	0.00201J	0.12	0.140	117	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05442	109	-	-	75-125	-	20
Sodium, Total	207.	10	212	50	Q	-	75-125	-	20
Thallium, Total	ND	0.12	0.1312	109	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5280	106	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1912981
Report Date: 04/08/19

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): 01-03 QC Batch ID: WG1222752-3 QC Sample: L1913113-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5615	112	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1222056-4 QC Sample: L1912713-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1222752-4 QC Sample: L1913113-01 Client ID: DUP Sample					
Aluminum, Total	0.0260	0.0278	mg/l	7	20
Antimony, Total	0.00095J	0.00233J	mg/l	NC	20
Arsenic, Total	0.00061	0.00082	mg/l	29 Q	20
Barium, Total	0.02038	0.01982	mg/l	3	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	97.3	96.0	mg/l	1	20
Chromium, Total	0.00306	0.00296	mg/l	3	20
Cobalt, Total	0.00017J	0.00023J	mg/l	NC	20
Copper, Total	0.00064J	0.00070J	mg/l	NC	20
Iron, Total	0.0474J	0.0883	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	10.3	10.2	mg/l	1	20
Manganese, Total	0.00587	0.00663	mg/l	12	20
Nickel, Total	0.00059J	ND	mg/l	NC	20
Potassium, Total	4.74	4.70	mg/l	1	20
Selenium, Total	0.00201J	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	207.	206	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1222752-4 QC Sample: L1913113-01 Client ID: DUP Sample					
Thallium, Total	ND	0.00019J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-01
Client ID: RIMW3_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 11:35
Date Received: 04/01/19
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	04/02/19 12:35	04/02/19 15:45	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/02/19 06:30	04/02/19 06:51	1,7196A	MA



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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-02
Client ID: RIMW3D_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 14:45
Date Received: 04/01/19
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	04/02/19 12:35	04/02/19 16:12	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/02/19 06:30	04/02/19 06:51	1,7196A	MA



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

Lab Number: L1912981
Report Date: 04/08/19

SAMPLE RESULTS

Lab ID: L1912981-03
Client ID: MW5_190401
Sample Location: SCHENECTADY, NY

Date Collected: 04/01/19 16:20
Date Received: 04/01/19
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	04/02/19 12:35	04/02/19 16:13	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/02/19 06:30	04/02/19 06:55	1,7196A	MA



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1912981

Project Number: 16.6334

Report Date: 04/08/19

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): 01-03 Batch: WG1222007-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/02/19 06:30	04/02/19 06:50	1,7196A	MA
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1222149-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/02/19 12:35	04/02/19 15:35	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1222007-2								
Chromium, Hexavalent	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1222149-2 WG1222149-3								
Cyanide, Total	96		94		85-115	2		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1912981
Report Date: 04/08/19

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): 01-03 QC Batch ID: WG1222007-4 QC Sample: L1912981-03 Client ID: MW5_190401												
Chromium, Hexavalent	ND	0.1	0.096	96		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1222149-4 WG1222149-5 QC Sample: L1912981-01 Client ID: RIMW3_190401												
Cyanide, Total	ND	0.2	0.192	96		0.164	82		80-120	16		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1912981

Report Date: 04/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1222007-3 QC Sample: L1912981-02 Client ID: RIMW3D_190401						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1912981**Project Number:** 16.6334**Report Date:** 04/08/19**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(*)
L1912981-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-01C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-01D	Plastic 250ml unpreserved	A	7	7	3.8	Y	Absent		HEXCR-7196(1)
L1912981-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912981-01F	Plastic 250ml NaOH preserved	A	>12	>12	3.8	Y	Absent		TCN-9010(14)
L1912981-01G	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1912981-01H	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1912981-01I	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1912981-01J	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1912981-01K	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912981-01L	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912981-02A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-02B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-02C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-02D	Plastic 250ml unpreserved	A	7	7	3.8	Y	Absent		HEXCR-7196(1)

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

Serial_No:04081920:18
Lab Number: L1912981
Report Date: 04/08/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912981-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912981-02F	Plastic 250ml NaOH preserved	A	>12	>12	3.8	Y	Absent		TCN-9010(14)
L1912981-02G	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1912981-02H	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1912981-02I	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1912981-02J	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1912981-02K	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912981-02L	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912981-03A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-03B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-03C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-03D	Plastic 250ml unpreserved	A	7	7	3.8	Y	Absent		HEXCR-7196(1)
L1912981-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1912981-03F	Plastic 250ml NaOH preserved	A	>12	>12	3.8	Y	Absent		TCN-9010(14)
L1912981-03G	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1912981-03H	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8082-LVI(7)
L1912981-03I	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1912981-03J	Amber 120ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8081(7)
L1912981-03K	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1912981-03L	Amber 250ml unpreserved	A	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

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

Serial_No:04081920:18
Lab Number: L1912981
Report Date: 04/08/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1912981-04A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L1912981-04B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260-R2(14)

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

Lab Number: L1912981
Report Date: 04/08/19

GLOSSARY

Acronyms

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

Footnotes

Report Format: DU Report with 'J' Qualifiers



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

Lab Number: L1912981
Report Date: 04/08/19

- 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: L1912981
Report Date: 04/08/19

REFERENCES

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

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, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

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

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

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

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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



**NEW YORK
CHAIN OF
CUSTODY**

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

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

Service Centers

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

Page

1 of 1

Date Rec'd
in Lab

4/2/19

ALPHA Job #

11912981

Project Information

Project Name: Hamilton Hill II TAJ site

Project Location: Schenectady, NY

Project # 16-6334

(Use Project name as Project #)

Project Manager: Rick Molino

ALPHAQuote #:

Turn-Around Time

Standard

Rush (only if pre approved)

Due Date:

of Days:

Client Information

Client: C.T. Make Associates

Address: 50 Century Blvd

Latham, NY 12110

Phone: 518 786 7400

Fax: A.Smith@CTMake.com

Email: R.Molino@CTMake.com

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

ASP-A

ASP-B

EQUIS (1 File)

EQUIS (4 File)

Other

Regulatory Requirement

NY TOGS

NY Part 375

AWQ Standards

NY CP-51

NY Restricted Use

Other

NY Unrestricted Use

NYC Sewer Discharge

Billing Information

Same as Client Info

PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

NJ

NY

Other:

ANALYSIS

TCL VOCs etc	TCL SVOCs etc	TCL Pest	TCL PCB	TAL Metals	incl. mercury, cyanide, hexachlor
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X					

Sample Filtration

Done

Lab to do

Preservation

Lab to do

(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS						Sample Specific Comments	Total Bottles
		Date	Time			TCL VOCs etc	TCL SVOCs etc	TCL Pest	TCL PCB	TAL Metals	incl. mercury, cyanide, hexachlor		
12981-01	RTMW3-190401	4/1/19	1135	GW	DA	X	X	X	X	X	X		12
-02	RTMW3D-190401		1445	GW	DA	X	X	X	X	X	X		12
-03	MWS-190401		1620	GW	DA	X	X	X	X	X	X		12
-04	LTB01-190401		-	Blank	-	X							2

Preservative Code:

- A = None
- B = HCl
- C = HNO₃
- D = H₂SO₄
- E = NaOH
- F = MeOH
- G = NaHSO₄
- H = Na₂S₂O₃
- K/E = Zn Ac/NaOH
- O = Other

Container Code

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

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

U A A A P P

Preservative

B A A A C E/A

Relinquished By:

Ricky Family AA

Date/Time

4/1/19 1750
4/1/19 21:49

Received By:

Ricky Family AA

Date/Time

4/1/19 21:49
4/2/19 0145

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



ANALYTICAL REPORT

Lab Number:	L1913113
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:	04/09/19

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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: L1913113
Report Date: 04/09/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1913113-01	834 MW2_190402	WATER	SCHENECTADY, NY	04/02/19 09:15	04/02/19
L1913113-02	MW1_190402	WATER	SCHENECTADY, NY	04/02/19 10:40	04/02/19
L1913113-03	MW2_190402	WATER	SCHENECTADY, NY	04/02/19 11:50	04/02/19
L1913113-04	RIMW2_190402	WATER	SCHENECTADY, NY	04/02/19 13:25	04/02/19
L1913113-05	RIMW6D_190402	WATER	SCHENECTADY, NY	04/02/19 09:30	04/02/19
L1913113-06	RIMW4D_190402	WATER	SCHENECTADY, NY	04/02/19 11:55	04/02/19
L1913113-07	LTB01_190402	WATER	SCHENECTADY, NY	04/02/19 00:00	04/02/19

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

Lab Number: L1913113
Report Date: 04/09/19

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: L1913113
Report Date: 04/09/19

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

The WG1222752-3 MS recovery, performed on L1913113-01, is outside the acceptance criteria for antimony (131%). A post digestion spike was performed and was within acceptance criteria.


The WG1222752-3 MS recoveries for calcium (67%) and sodium (50%), performed on L1913113-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1222752-4 Laboratory Duplicate RPD for arsenic (29%), performed on L1913113-01, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit.

Therefore, the RPD is valid.

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: 04/09/19

ORGANICS

VOLATILES

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/19 13:28
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.3		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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
Client ID: MW1_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/19 17:11
Analyst: BD

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	10		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	1.1		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.9		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	3.4		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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
Client ID: MW1_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.8	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
Client ID: MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/19 17:41
Analyst: BD

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	9.8		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	4.2		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	1.7		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.56		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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
Client ID: MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
Date Received: 04/02/19
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	3.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/19 11:32
Analyst: PK

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	8.0		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	0.60		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.1		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	2.4		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	2.0		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: L1913113

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
 Client ID: RIMW2_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
Client ID: RIMW6D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/19 11:54
Analyst: PK

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:** L1913113**Project Number:** 16.6334**Report Date:** 04/09/19**SAMPLE RESULTS**

Lab ID: L1913113-05
 Client ID: RIMW6D_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
Client ID: RIMW4D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/19 12:16
Analyst: PK

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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
Client ID: RIMW4D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
Date Received: 04/02/19
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	5.3		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-07
Client ID: LTB01_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 00:00
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/04/19 12:21
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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-07
Client ID: LTB01_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 00:00
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 10:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1223062-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 10:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1223062-5					
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: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/04/19 10:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1223062-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/19 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1223636-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/19 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1223636-5					
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: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/19 10:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1223636-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/19 10:30
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1224046-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/19 10:30
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1224046-5					
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: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/19 10:30
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1224046-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/19 09:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1224053-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/19 09:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1224053-5					
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: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/19 09:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1224053-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1223062-3 WG1223062-4								
Methylene chloride	100		87		70-130	14		20
1,1-Dichloroethane	100		87		70-130	14		20
Chloroform	100		85		70-130	16		20
Carbon tetrachloride	96		81		63-132	17		20
1,2-Dichloropropane	110		92		70-130	18		20
Dibromochloromethane	110		92		63-130	18		20
1,1,2-Trichloroethane	100		88		70-130	13		20
Tetrachloroethene	94		80		70-130	16		20
Chlorobenzene	99		85		75-130	15		20
Trichlorofluoromethane	95		81		62-150	16		20
1,2-Dichloroethane	100		89		70-130	12		20
1,1,1-Trichloroethane	98		84		67-130	15		20
Bromodichloromethane	110		89		67-130	21	Q	20
trans-1,3-Dichloropropene	97		81		70-130	18		20
cis-1,3-Dichloropropene	100		85		70-130	16		20
Bromoform	110		95		54-136	15		20
1,1,2,2-Tetrachloroethane	110		90		67-130	20		20
Benzene	98		82		70-130	18		20
Toluene	95		81		70-130	16		20
Ethylbenzene	93		79		70-130	16		20
Chloromethane	91		77		64-130	17		20
Bromomethane	57		48		39-139	17		20
Vinyl chloride	100		89		55-140	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1223062-3 WG1223062-4								
Chloroethane	94		78		55-138	19		20
1,1-Dichloroethene	97		82		61-145	17		20
trans-1,2-Dichloroethene	95		83		70-130	13		20
Trichloroethene	96		83		70-130	15		20
1,2-Dichlorobenzene	98		83		70-130	17		20
1,3-Dichlorobenzene	94		80		70-130	16		20
1,4-Dichlorobenzene	93		80		70-130	15		20
Methyl tert butyl ether	100		84		63-130	17		20
p/m-Xylene	95		80		70-130	17		20
o-Xylene	100		80		70-130	22	Q	20
cis-1,2-Dichloroethene	100		85		70-130	16		20
Styrene	100		85		70-130	16		20
Dichlorodifluoromethane	130		110		36-147	17		20
Acetone	100		86		58-148	15		20
Carbon disulfide	100		88		51-130	13		20
2-Butanone	77		58	Q	63-138	28	Q	20
4-Methyl-2-pentanone	110		94		59-130	16		20
2-Hexanone	93		77		57-130	19		20
Bromochloromethane	120		100		70-130	18		20
1,2-Dibromoethane	110		92		70-130	18		20
1,2-Dibromo-3-chloropropane	100		89		41-144	12		20
Isopropylbenzene	89		77		70-130	14		20
1,2,3-Trichlorobenzene	96		84		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1223062-3 WG1223062-4								
1,2,4-Trichlorobenzene	96		81		70-130	17		20
Methyl Acetate	86		71		70-130	19		20
Cyclohexane	100		92		70-130	8		20
1,4-Dioxane	112		90		56-162	22	Q	20
Freon-113	97		81		70-130	18		20
Methyl cyclohexane	84		76		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1223636-3 WG1223636-4								
Methylene chloride	90		93		70-130	3		20
1,1-Dichloroethane	99		99		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	84		83		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	95		94		63-130	1		20
1,1,2-Trichloroethane	100		99		70-130	1		20
Tetrachloroethene	91		90		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	80		75		62-150	6		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	95		93		67-130	2		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	93		92		70-130	1		20
cis-1,3-Dichloropropene	99		99		70-130	0		20
Bromoform	96		96		54-136	0		20
1,1,2,2-Tetrachloroethane	90		91		67-130	1		20
Benzene	100		99		70-130	1		20
Toluene	98		97		70-130	1		20
Ethylbenzene	97		95		70-130	2		20
Chloromethane	88		89		64-130	1		20
Bromomethane	98		97		39-139	1		20
Vinyl chloride	84		85		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1223636-3 WG1223636-4								
Chloroethane	98		94		55-138	4		20
1,1-Dichloroethene	86		80		61-145	7		20
trans-1,2-Dichloroethene	88		82		70-130	7		20
Trichloroethene	100		94		70-130	6		20
1,2-Dichlorobenzene	99		99		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	82		84		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		97		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	62		63		36-147	2		20
Acetone	110		110		58-148	0		20
Carbon disulfide	82		86		51-130	5		20
2-Butanone	89		86		63-138	3		20
4-Methyl-2-pentanone	87		87		59-130	0		20
2-Hexanone	81		81		57-130	0		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	84		85		41-144	1		20
Isopropylbenzene	96		96		70-130	0		20
1,2,3-Trichlorobenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1223636-3 WG1223636-4								
1,2,4-Trichlorobenzene	100		110		70-130	10		20
Methyl Acetate	90		97		70-130	7		20
Cyclohexane	86		90		70-130	5		20
1,4-Dioxane	158		160		56-162	1		20
Freon-113	93		92		70-130	1		20
Methyl cyclohexane	83		87		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		103		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

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: WG1224046-3 WG1224046-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	98		99		62-150	1		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	94		96		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	100		110		54-136	10		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	97		100		70-130	3		20
Ethylbenzene	97		100		70-130	3		20
Chloromethane	91		93		64-130	2		20
Bromomethane	63		70		39-139	11		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

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: WG1224046-3 WG1224046-4								
Chloroethane	97		98		55-138	1		20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	94		98		70-130	4		20
1,4-Dichlorobenzene	93		97		70-130	4		20
Methyl tert butyl ether	96		98		63-130	2		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	130		130		36-147	0		20
Acetone	100		100		58-148	0		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	67		68		63-138	1		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	87		91		57-130	4		20
Bromochloromethane	120		120		70-130	0		20
1,2-Dibromoethane	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	94		100		41-144	6		20
Isopropylbenzene	96		100		70-130	4		20
1,2,3-Trichlorobenzene	85		97		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

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: WG1224046-3 WG1224046-4								
1,2,4-Trichlorobenzene	91		98		70-130	7		20
Methyl Acetate	71		77		70-130	8		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	96		102		56-162	6		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	99		100		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1224053-3 WG1224053-4								
Methylene chloride	99		98		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		96		70-130	3		20
Carbon tetrachloride	96		94		63-132	2		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	96		96		70-130	0		20
Chlorobenzene	98		98		75-130	0		20
Trichlorofluoromethane	93		92		62-150	1		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	98		97		67-130	1		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	90		93		70-130	3		20
cis-1,3-Dichloropropene	98		97		70-130	1		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	98		96		70-130	2		20
Toluene	95		94		70-130	1		20
Ethylbenzene	93		93		70-130	0		20
Chloromethane	90		89		64-130	1		20
Bromomethane	50		48		39-139	4		20
Vinyl chloride	100		100		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1224053-3 WG1224053-4								
Chloroethane	98		94		55-138	4		20
1,1-Dichloroethene	96		95		61-145	1		20
trans-1,2-Dichloroethene	97		95		70-130	2		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	93		94		70-130	1		20
1,3-Dichlorobenzene	92		91		70-130	1		20
1,4-Dichlorobenzene	91		91		70-130	0		20
Methyl tert butyl ether	93		94		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	98		99		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	95		94		58-148	1		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	68		65		63-138	5		20
4-Methyl-2-pentanone	98		100		59-130	2		20
2-Hexanone	81		85		57-130	5		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	91		99		41-144	8		20
Isopropylbenzene	91		90		70-130	1		20
1,2,3-Trichlorobenzene	90		92		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1224053-3 WG1224053-4								
1,2,4-Trichlorobenzene	90		92		70-130	2		20
Methyl Acetate	75		81		70-130	8		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	98		102		56-162	4		20
Freon-113	94		93		70-130	1		20
Methyl cyclohexane	92		90		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	100		101		70-130

SEMIVOLATILES

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/09/19 02:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	1.9	J	ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1913113**Project Number:** 16.6334**Report Date:** 04/09/19**SAMPLE RESULTS**

Lab ID: L1913113-01

Date Collected: 04/02/19 09:15

Client ID: 834 MW2_190402

Date Received: 04/02/19

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						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	15.9	J	ug/l			1
Aldol Condensates	15.9	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	31		10-120
4-Terphenyl-d14	82		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
 Client ID: 834 MW2_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/09/19 03:10
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Semivolatile Organics by GC/MS-SIM - Westborough Lab						
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	63		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
 Client ID: MW1_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 04/09/19 03:04
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	1.9	J	ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1913113**Project Number:** 16.6334**Report Date:** 04/09/19**SAMPLE RESULTS**

Lab ID: L1913113-02

Date Collected: 04/02/19 10:40

Client ID: MW1_190402

Date Received: 04/02/19

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						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	16.6	J	ug/l			1
Aldol Condensates	14.5	J	ug/l			1
Unknown	2.11	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	90		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
 Client ID: MW1_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/09/19 03:33
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
 Client ID: MW1_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	70		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
Client ID: MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/09/19 03:30
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	1.8	J	ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1913113**Project Number:** 16.6334**Report Date:** 04/09/19**SAMPLE RESULTS**

Lab ID: L1913113-03

Date Collected: 04/02/19 11:50

Client ID: MW2_190402

Date Received: 04/02/19

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						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	20.2	J	ug/l			1
Aldol Condensates	18.7	J	ug/l			1
Unknown	1.53	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	96		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
Client ID: MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/09/19 03:57
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.08	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	0.21		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	0.10	J	ug/l	0.50	0.05	1
Naphthalene	0.10	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	0.08	J	ug/l	0.10	0.01	1
Anthracene	0.10	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.12		ug/l	0.10	0.01	1
Phenanthrene	0.10	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.07	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.20		ug/l	0.10	0.02	1
Pentachlorophenol	0.16	J	ug/l	0.80	0.01	1
Hexachlorobenzene	0.11	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
 Client ID: MW2_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	80		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/09/19 03:55
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	20.0	J	ug/l			1
Unknown	1.53	J	ug/l			1
Aldol Condensates	18.5	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	98		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
 Client ID: RIMW2_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/09/19 04:21
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	99		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	100		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
Client ID: RIMW6D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/09/19 04:21
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
Client ID: RIMW6D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	14.		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	18.0	J	ug/l			1
Aldol Condensates	18.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	45		10-120
4-Terphenyl-d14	92		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
 Client ID: RIMW6D_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/09/19 04:44
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
Client ID: RIMW6D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	81		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
Client ID: RIMW4D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/09/19 04:46
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
Client ID: RIMW4D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	40.3	J	ug/l			1
Unknown	2.65	J	ug/l			1
Unknown Organic Acid	10.8	J	ug/l			1
Aldol Condensates	15.4	J	ug/l			1
Unknown Organic Acid	11.4	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	93		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
 Client ID: RIMW4D_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 04/09/19 05:07
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
 Client ID: RIMW4D_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	64		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/19 23:41
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1223944-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	2.5	J	ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/19 23:41
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1223944-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
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	45.4	J	ug/l
Aldol Condensates	45.4	J	ug/l

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/08/19 23:41
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1223944-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	100		41-149

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/09/19 00:26
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1223945-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/09/19 00:26
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 04/07/19 04:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1223945-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	103		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1223944-2 WG1223944-3								
Bis(2-chloroethyl)ether	82		76		40-140	8		30
3,3'-Dichlorobenzidine	64		69		40-140	8		30
2,4-Dinitrotoluene	98		86		48-143	13		30
2,6-Dinitrotoluene	100		87		40-140	14		30
4-Chlorophenyl phenyl ether	86		75		40-140	14		30
4-Bromophenyl phenyl ether	87		79		40-140	10		30
Bis(2-chloroisopropyl)ether	83		76		40-140	9		30
Bis(2-chloroethoxy)methane	90		80		40-140	12		30
Hexachlorocyclopentadiene	65		62		40-140	5		30
Isophorone	95		84		40-140	12		30
Nitrobenzene	86		79		40-140	8		30
NDPA/DPA	91		82		40-140	10		30
n-Nitrosodi-n-propylamine	99		87		29-132	13		30
Bis(2-ethylhexyl)phthalate	80		68		40-140	16		30
Butyl benzyl phthalate	98		96		40-140	2		30
Di-n-butylphthalate	92		78		40-140	16		30
Di-n-octylphthalate	83		78		40-140	6		30
Diethyl phthalate	101		86		40-140	16		30
Dimethyl phthalate	112		98		40-140	13		30
Biphenyl	90		80		40-140	12		30
4-Chloroaniline	60		59		40-140	2		30
2-Nitroaniline	90		80		52-143	12		30
3-Nitroaniline	67		64		25-145	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1223944-2 WG1223944-3								
4-Nitroaniline	90		82		51-143	9		30
Dibenzofuran	85		77		40-140	10		30
1,2,4,5-Tetrachlorobenzene	81		74		2-134	9		30
Acetophenone	98		89		39-129	10		30
2,4,6-Trichlorophenol	90		81		30-130	11		30
p-Chloro-m-cresol	98	Q	84		23-97	15		30
2-Chlorophenol	82		77		27-123	6		30
2,4-Dichlorophenol	92		81		30-130	13		30
2,4-Dimethylphenol	34		47		30-130	32	Q	30
2-Nitrophenol	81		72		30-130	12		30
4-Nitrophenol	84	Q	75		10-80	11		30
2,4-Dinitrophenol	80		71		20-130	12		30
4,6-Dinitro-o-cresol	79		68		20-164	15		30
Phenol	70		65		12-110	7		30
3-Methylphenol/4-Methylphenol	80		76		30-130	5		30
2,4,5-Trichlorophenol	97		84		30-130	14		30
Carbazole	94		87		55-144	8		30
Atrazine	127		109		40-140	15		30
Benzaldehyde	88		83		40-140	6		30
Caprolactam	50		49		10-130	2		30
2,3,4,6-Tetrachlorophenol	85		77		40-140	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1223944-2 WG1223944-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		63		21-120
Phenol-d6	67		62		10-120
Nitrobenzene-d5	85		78		23-120
2-Fluorobiphenyl	84		73		15-120
2,4,6-Tribromophenol	83		75		10-120
4-Terphenyl-d14	89		82		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1223945-2 WG1223945-3								
Acenaphthene	79		92		40-140	15		40
2-Chloronaphthalene	71		90		40-140	24		40
Fluoranthene	83		88		40-140	6		40
Hexachlorobutadiene	68		81		40-140	17		40
Naphthalene	63		75		40-140	17		40
Benzo(a)anthracene	84		105		40-140	22		40
Benzo(a)pyrene	78		88		40-140	12		40
Benzo(b)fluoranthene	82		97		40-140	17		40
Benzo(k)fluoranthene	81		91		40-140	12		40
Chrysene	90		85		40-140	6		40
Acenaphthylene	72		87		40-140	19		40
Anthracene	81		90		40-140	11		40
Benzo(ghi)perylene	82		78		40-140	5		40
Fluorene	86		102		40-140	17		40
Phenanthrene	77		85		40-140	10		40
Dibenzo(a,h)anthracene	90		99		40-140	10		40
Indeno(1,2,3-cd)pyrene	90		99		40-140	10		40
Pyrene	96		89		40-140	8		40
2-Methylnaphthalene	66		83		40-140	23		40
Pentachlorophenol	94		105		40-140	11		40
Hexachlorobenzene	80		88		40-140	10		40
Hexachloroethane	63		76		40-140	19		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1223945-2 WG1223945-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	54		64		21-120
Phenol-d6	45		57		10-120
Nitrobenzene-d5	70		84		23-120
2-Fluorobiphenyl	72		88		15-120
2,4,6-Tribromophenol	83		94		10-120
4-Terphenyl-d14	72		93		41-149

PCBS

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 18:56
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 12:59
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	84		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	95		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
Client ID: MW1_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 19:09
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 12:59
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	76		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	95		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
Client ID: MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 20:03
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 12:59
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	89		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	100		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 20:17
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 12:59
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	81		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	93		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
Client ID: RIMW6D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 20:30
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 12:59
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	83		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	93		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
Client ID: RIMW4D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/07/19 20:44
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 12:59
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

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	79		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	97		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 04/07/19 19:23
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 04/06/19 00:40
Cleanup Method: EPA 3665A
Cleanup Date: 04/06/19
Cleanup Method: EPA 3660B
Cleanup Date: 04/07/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1223723-1						
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	66		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1223723-2 WG1223723-3									
Aroclor 1016	49		71		40-140	37		50	A
Aroclor 1260	43		64		40-140	40		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		68		30-150	A
Decachlorobiphenyl	53		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		64		30-150	B
Decachlorobiphenyl	62		84		30-150	B

PESTICIDES

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/05/19 20:53
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 08:06

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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
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	73		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	100		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
Client ID: MW1_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/05/19 21:06
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 08:06

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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
Client ID: MW1_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
Date Received: 04/02/19
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	62		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	86		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
Client ID: MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/05/19 21:18
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 08:06

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	0.004	J	ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
 Client ID: MW2_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
 Date Received: 04/02/19
 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	60		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	83		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/05/19 21:31
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 08:06

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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
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	60		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	84		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
 Client ID: RIMW6D_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 04/05/19 21:44
 Analyst: KEG

Extraction Method: EPA 3510C
 Extraction Date: 04/05/19 08:06

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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
 Client ID: RIMW6D_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
 Date Received: 04/02/19
 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	68		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	82		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
Client ID: RIMW4D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
Date Received: 04/02/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/05/19 21:57
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 08:06

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
Project Number: 16.6334

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
 Client ID: RIMW4D_190402
 Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
 Date Received: 04/02/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	102		30-150	B

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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/19 20:40
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 07:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1223378-1						
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: L1913113
Report Date: 04/09/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/05/19 20:40
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 04/05/19 07:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1223378-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1223378-2 WG1223378-3									
Delta-BHC	49		54		30-150	10		20	A
Lindane	58		63		30-150	8		20	A
Alpha-BHC	58		62		30-150	8		20	A
Beta-BHC	63		71		30-150	12		20	A
Heptachlor	61		66		30-150	8		20	A
Aldrin	58		64		30-150	10		20	A
Heptachlor epoxide	63		71		30-150	12		20	A
Endrin	61		72		30-150	17		20	A
Endrin aldehyde	48		58		30-150	20		20	A
Endrin ketone	65		74		30-150	13		20	A
Dieldrin	62		70		30-150	13		20	A
4,4'-DDE	56		63		30-150	12		20	A
4,4'-DDD	58		68		30-150	15		20	A
4,4'-DDT	59		75		30-150	25	Q	20	A
Endosulfan I	58		71		30-150	20		20	A
Endosulfan II	59		67		30-150	11		20	A
Endosulfan sulfate	60		67		30-150	10		20	A
Methoxychlor	60		84		30-150	33	Q	20	A
cis-Chlordane	56		64		30-150	13		20	A
trans-Chlordane	58		66		30-150	13		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1223378-2 WG1223378-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		60		30-150	A
Decachlorobiphenyl	64		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		55		30-150	B
Decachlorobiphenyl	63		70		30-150	B

METALS

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01

Date Collected: 04/02/19 09:15

Client ID: 834 MW2_190402

Date Received: 04/02/19

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	0.0260		mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Antimony, Total	0.00095	J	mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00061		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Barium, Total	0.02038		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Calcium, Total	97.3		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Chromium, Total	0.00306		mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00017	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Copper, Total	0.00064	J	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Iron, Total	0.0474	J	mg/l	0.0550	0.0191	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Magnesium, Total	10.3		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Manganese, Total	0.00587		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/03/19 10:25	04/03/19 17:50	EPA 7470A	1,7470A	GD
Nickel, Total	0.00059	J	mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Potassium, Total	4.74		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Selenium, Total	0.00201	J	mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Sodium, Total	207.		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 14:24	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02

Date Collected: 04/02/19 10:40

Client ID: MW1_190402

Date Received: 04/02/19

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	0.0100	0.00327	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00027	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Barium, Total	0.01401		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00007	J	mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Calcium, Total	76.5		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Chromium, Total	0.00029	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00031	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Copper, Total	0.00082	J	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Iron, Total	0.0617		mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Magnesium, Total	6.32		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Manganese, Total	0.9338		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/03/19 10:25	04/03/19 17:51	EPA 7470A	1,7470A	GD
Nickel, Total	0.00092	J	mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Potassium, Total	4.79		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Sodium, Total	34.6		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 16:09	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03

Date Collected: 04/02/19 11:50

Client ID: MW2_190402

Date Received: 04/02/19

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	0.0100	0.00327	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Barium, Total	0.02079		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Calcium, Total	85.9		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Chromium, Total	0.00024	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00029	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Copper, Total	0.00093	J	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Iron, Total	0.0703		mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Magnesium, Total	6.65		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Manganese, Total	0.7353		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/03/19 10:25	04/03/19 17:57	EPA 7470A	1,7470A	GD
Nickel, Total	0.00081	J	mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Potassium, Total	2.99		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Sodium, Total	37.3		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 16:13	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04

Date Collected: 04/02/19 13:25

Client ID: RIMW2_190402

Date Received: 04/02/19

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	0.0219		mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00026	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Barium, Total	0.03134		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Calcium, Total	114.		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Chromium, Total	0.00079	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Copper, Total	0.00063	J	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Iron, Total	0.0478	J	mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Magnesium, Total	13.3		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Manganese, Total	0.00549		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/03/19 10:25	04/03/19 17:59	EPA 7470A	1,7470A	GD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Potassium, Total	5.74		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Sodium, Total	43.1		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 16:18	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05

Date Collected: 04/02/19 09:30

Client ID: RIMW6D_190402

Date Received: 04/02/19

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	0.191		mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00147		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Barium, Total	0.1142		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Calcium, Total	97.2		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Chromium, Total	0.00055	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00061		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Copper, Total	0.00058	J	mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Iron, Total	0.490		mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Magnesium, Total	18.3		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Manganese, Total	0.3629		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/03/19 10:25	04/03/19 18:01	EPA 7470A	1,7470A	GD
Nickel, Total	0.00088	J	mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Potassium, Total	4.94		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Sodium, Total	43.8		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 16:22	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1913113**Project Number:** 16.6334**Report Date:** 04/09/19**SAMPLE RESULTS**

Lab ID: L1913113-06

Date Collected: 04/02/19 11:55

Client ID: RIMW4D_190402

Date Received: 04/02/19

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	0.00976	J	mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00454		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Barium, Total	0.1699		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Calcium, Total	141.		mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Chromium, Total	0.00031	J	mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00038	J	mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Iron, Total	1.39		mg/l	0.0500	0.0191	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Magnesium, Total	21.4		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Manganese, Total	0.2953		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/03/19 10:25	04/03/19 18:03	EPA 7470A	1,7470A	GD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Potassium, Total	7.97		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Sodium, Total	125.		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 16:26	EPA 3005A	1,6020B	AM



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

Lab Number: L1913113
Report Date: 04/09/19

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): 01-06 Batch: WG1222519-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/03/19 10:25	04/03/19 17:40	1,7470A	GD

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): 01-06 Batch: WG1222752-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Antimony, Total	0.00077	J	mg/l	0.00400	0.00042	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Calcium, Total	0.0464	J	mg/l	0.100	0.0394	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Iron, Total	0.0202	J	mg/l	0.0550	0.0191	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/03/19 20:25	04/04/19 14:03	1,6020B	AM



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

Lab Number: L1913113
Report Date: 04/09/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1222519-2								
Mercury, Total	106		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1222752-2					
Aluminum, Total	111	-	80-120	-	
Antimony, Total	118	-	80-120	-	
Arsenic, Total	107	-	80-120	-	
Barium, Total	112	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	115	-	80-120	-	
Calcium, Total	103	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	103	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	116	-	80-120	-	
Magnesium, Total	112	-	80-120	-	
Manganese, Total	107	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	105	-	80-120	-	
Selenium, Total	117	-	80-120	-	
Silver, Total	111	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	108	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1222752-2					
Zinc, Total	110	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1913113
Report Date: 04/09/19

<u>Parameter</u>	<u>Native Sample</u>	<u>MS Added</u>	<u>MS Found</u>	<u>MS %Recovery</u>	<u>Qual</u>	<u>MSD Found</u>	<u>MSD %Recovery</u>	<u>Qual</u>	<u>Recovery Limits</u>	<u>RPD</u>	<u>Qual</u>	<u>RPD Limits</u>
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1222519-3 QC Sample: L1912936-09 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00536	107		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1913113
Report Date: 04/09/19

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): 01-06 QC Batch ID: WG1222752-3 QC Sample: L1913113-01 Client ID: 834 MW2_190402									
Aluminum, Total	0.0260	2	2.24	111	-	-	75-125	-	20
Antimony, Total	0.00095J	0.5	0.6551	131	Q	-	75-125	-	20
Arsenic, Total	0.00061	0.12	0.1404	116	-	-	75-125	-	20
Barium, Total	0.02038	2	2.200	109	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04864	97	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05786	113	-	-	75-125	-	20
Calcium, Total	97.3	10	104	67	Q	-	75-125	-	20
Chromium, Total	0.00306	0.2	0.2111	104	-	-	75-125	-	20
Cobalt, Total	0.00017J	0.5	0.5184	104	-	-	75-125	-	20
Copper, Total	0.00064J	0.25	0.2543	102	-	-	75-125	-	20
Iron, Total	0.0474J	1	0.941	94	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5882	115	-	-	75-125	-	20
Magnesium, Total	10.3	10	21.1	108	-	-	75-125	-	20
Manganese, Total	0.00587	0.5	0.5393	107	-	-	75-125	-	20
Nickel, Total	0.00059J	0.5	0.5260	105	-	-	75-125	-	20
Potassium, Total	4.74	10	15.4	107	-	-	75-125	-	20
Selenium, Total	0.00201J	0.12	0.140	117	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05442	109	-	-	75-125	-	20
Sodium, Total	207.	10	212	50	Q	-	75-125	-	20
Thallium, Total	ND	0.12	0.1312	109	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5280	106	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

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

Lab Number: L1913113
Report Date: 04/09/19

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): 01-06 QC Batch ID: WG1222752-3 QC Sample: L1913113-01 Client ID: 834 MW2_190402									
Zinc, Total	ND	0.5	0.5615	112	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1222519-4 QC Sample: L1912936-09 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1222752-4 QC Sample: L1913113-01 Client ID: 834 MW2_190402					
Aluminum, Total	0.0260	0.0278	mg/l	7	20
Antimony, Total	0.00095J	0.00233J	mg/l	NC	20
Arsenic, Total	0.00061	0.00082	mg/l	29 Q	20
Barium, Total	0.02038	0.01982	mg/l	3	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	97.3	96.0	mg/l	1	20
Chromium, Total	0.00306	0.00296	mg/l	3	20
Cobalt, Total	0.00017J	0.00023J	mg/l	NC	20
Copper, Total	0.00064J	0.00070J	mg/l	NC	20
Iron, Total	0.0474J	0.0883	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	10.3	10.2	mg/l	1	20
Manganese, Total	0.00587	0.00663	mg/l	12	20
Nickel, Total	0.00059J	ND	mg/l	NC	20
Potassium, Total	4.74	4.70	mg/l	1	20
Selenium, Total	0.00201J	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	207.	206	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1222752-4 QC Sample: L1913113-01 Client ID: 834 MW2_190402					
Thallium, Total	ND	0.00019J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-01
Client ID: 834 MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:15
Date Received: 04/02/19
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	0.001	J	mg/l	0.005	0.001	1	04/03/19 13:55	04/03/19 16:28	1,9010C/9012B	LH
Chromium, Hexavalent	0.004	J	mg/l	0.010	0.003	1	04/03/19 04:45	04/03/19 05:12	1,7196A	MA



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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-02
Client ID: MW1_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 10:40
Date Received: 04/02/19
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	0.003	J	mg/l	0.005	0.001	1	04/03/19 13:55	04/03/19 16:54	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/03/19 04:45	04/03/19 05:13	1,7196A	MA



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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-03
Client ID: MW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:50
Date Received: 04/02/19
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	0.002	J	mg/l	0.005	0.001	1	04/03/19 13:55	04/03/19 16:55	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/03/19 04:45	04/03/19 05:14	1,7196A	MA



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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-04
Client ID: RIMW2_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 13:25
Date Received: 04/02/19
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	04/03/19 13:55	04/03/19 16:33	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/03/19 04:45	04/03/19 05:14	1,7196A	MA



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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-05
Client ID: RIMW6D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 09:30
Date Received: 04/02/19
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	04/03/19 13:55	04/03/19 16:36	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/03/19 04:45	04/03/19 05:15	1,7196A	MA



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

Lab Number: L1913113
Report Date: 04/09/19

SAMPLE RESULTS

Lab ID: L1913113-06
Client ID: RIMW4D_190402
Sample Location: SCHENECTADY, NY

Date Collected: 04/02/19 11:55
Date Received: 04/02/19
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	04/03/19 13:55	04/03/19 16:56	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/03/19 04:45	04/03/19 05:15	1,7196A	MA



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

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): 01-06 Batch: WG1222390-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	04/03/19 04:45	04/03/19 05:10	1,7196A	MA
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1222577-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	04/03/19 13:55	04/03/19 16:12	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1913113

Project Number: 16.6334

Report Date: 04/09/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1222390-2								
Chromium, Hexavalent	96		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1222577-2 WG1222577-3								
Cyanide, Total	100		96		85-115	4		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1913113
Report Date: 04/09/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1222390-4 QC Sample: L1913113-02 Client ID: MW1_190402												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1222577-4 WG1222577-5 QC Sample: L1913113-01 Client ID: 834 MW2_190402												
Cyanide, Total	0.001J	0.2	0.190	95		0.180	90		80-120	5		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1913113

Report Date: 04/09/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1222390-3 QC Sample: L1913113-01 Client ID: 834 MW2_190402						
Chromium, Hexavalent	0.004J	0.004J	mg/l	NC		20

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

Serial_No:04091920:05
Lab Number: L1913113
Report Date: 04/09/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1913113-01A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-01B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-01C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-01D	Plastic 250ml unpreserved	B	7	7	3.7	Y	Absent		HEXCR-7196(1)
L1913113-01E	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1913113-01F	Plastic 250ml NaOH preserved	B	>12	>12	3.7	Y	Absent		TCN-9010(14)
L1913113-01G	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-01H	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-01I	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1913113-01J	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1913113-01K	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-01L	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-02A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-02B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-02C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-02D	Plastic 250ml unpreserved	B	7	7	3.7	Y	Absent		HEXCR-7196(1)

*Values in parentheses indicate holding time in days



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

Serial_No:04091920:05
Lab Number: L1913113
Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1913113-02E	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1913113-02F	Plastic 250ml NaOH preserved	B	>12	>12	3.7	Y	Absent		TCN-9010(14)
L1913113-02G	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-02H	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-02I	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1913113-02J	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1913113-02K	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-02L	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-03A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-03B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-03C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-03D	Plastic 250ml unpreserved	A	7	7	2.7	Y	Absent		HEXCR-7196(1)
L1913113-03E	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1913113-03F	Plastic 250ml NaOH preserved	A	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1913113-03G	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-03H	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-03I	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1913113-03J	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1913113-03K	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-03L	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

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

Serial_No:04091920:05
Lab Number: L1913113
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1913113-04A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-04B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-04C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-04D	Plastic 250ml unpreserved	A	7	7	2.7	Y	Absent		HEXCR-7196(1)
L1913113-04E	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1913113-04F	Plastic 250ml NaOH preserved	A	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1913113-04G	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-04H	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-04I	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1913113-04J	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1913113-04K	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-04L	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-05A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-05B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-05C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-05D	Plastic 250ml unpreserved	B	7	7	3.7	Y	Absent		HEXCR-7196(1)
L1913113-05E	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1913113-05F	Plastic 250ml NaOH preserved	B	>12	>12	3.7	Y	Absent		TCN-9010(14)
L1913113-05G	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-05H	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days

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

Serial_No:04091920:05
Lab Number: L1913113
Report Date: 04/09/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1913113-05I	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1913113-05J	Amber 120ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1913113-05K	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-05L	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-06A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-06B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-06C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-06D	Plastic 250ml unpreserved	A	7	7	2.7	Y	Absent		HEXCR-7196(1)
L1913113-06E	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1913113-06F	Plastic 250ml NaOH preserved	A	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1913113-06G	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-06H	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1913113-06I	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1913113-06J	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1913113-06K	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-06L	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1913113-07A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L1913113-07B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)

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

Lab Number: L1913113
Report Date: 04/09/19

GLOSSARY

Acronyms

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

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: HAMILTON HILL II TA1 SITE
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Report Date: 04/09/19

- 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: L1913113
Report Date: 04/09/19

REFERENCES

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

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.

 NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd in Lab	ALPHA Job #																																																																																																																																							
		1 of 1	4/3/19	L1913113																																																																																																																																							
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Project Information		Deliverables	Billing Information																																																																																																																																						
Client Information		Project Name: <u>Hamilton Hill TA1 Site</u>		<input type="checkbox"/> ASP-A	<input checked="" type="checkbox"/> ASP-B																																																																																																																																						
Client: <u>CT. Male Associates</u>		Project Location: <u>Schenectady, NY</u>		<input type="checkbox"/> EQuIS (1 File)	<input type="checkbox"/> EQuIS (4 File)																																																																																																																																						
Address: <u>50 Century Hill Dr Latham, NY 12110</u>		Project # <u>16.6334</u>		<input type="checkbox"/> Other	PO #																																																																																																																																						
Phone: <u>518 786 7400</u>		(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement																																																																																																																																							
Fax: <u>A.smith@CTMale.com</u>		Project Manager: <u>Kirks Meline</u>		<input type="checkbox"/> NY TOGS	<input type="checkbox"/> NY Part 375																																																																																																																																						
Email: <u>K.Moline@CTMale.com</u>		ALPHAQuote #:		<input type="checkbox"/> AWQ Standards	<input type="checkbox"/> NY CP-51																																																																																																																																						
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Rush (only if pre approved) <input type="checkbox"/>		Due Date:		<input type="checkbox"/> NY Unrestricted Use	Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																						
# of Days:				<input type="checkbox"/> NYC Sewer Discharge																																																																																																																																							
These samples have been previously analyzed by Alpha <input type="checkbox"/>		ANALYSIS			Sample Filtration																																																																																																																																						
Other project specific requirements/comments:		TCL VOC+TIC TCL SVOC+TIC TCL Pest TCL PCB TPL Metals in: mercury hexachlorocyclohexene			<input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)																																																																																																																																						
Please specify Metals or TAL.					<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th colspan="2">Collection</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th>TCL VOC+TIC</th> <th>TCL SVOC+TIC</th> <th>TCL Pest</th> <th>TCL PCB</th> <th>TPAL Metals</th> <th>in: mercury</th> <th>hexachlorocyclohexene</th> <th>Sample Specific Comments</th> <th>Total Bottles</th> </tr> <tr> <th></th> <th></th> <th>Date</th> <th>Time</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>13113-01</td> <td>834 MW2-190402</td> <td>4/2/19</td> <td>0915</td> <td>GW</td> <td>KC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>-02</td> <td>MW1-190402</td> <td></td> <td>1040</td> <td>GW</td> <td>KC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>-03</td> <td>MW2-190402</td> <td></td> <td>1150</td> <td>GW</td> <td>KC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>-04</td> <td>RIMW2-190402</td> <td></td> <td>1325</td> <td>GW</td> <td>KC</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>-05</td> <td>RIMW6D-190402</td> <td></td> <td>0930</td> <td>GW</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>-06</td> <td>RIMW4D-190402</td> <td></td> <td>1155</td> <td>GW</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>-07</td> <td>LTB01-190402</td> <td></td> <td>-</td> <td>Blank</td> <td>-</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> </tbody> </table>			ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TCL VOC+TIC	TCL SVOC+TIC	TCL Pest	TCL PCB	TPAL Metals	in: mercury	hexachlorocyclohexene	Sample Specific Comments	Total Bottles			Date	Time												13113-01	834 MW2-190402	4/2/19	0915	GW	KC	X	X	X	X	X	X			12	-02	MW1-190402		1040	GW	KC	X	X	X	X	X	X			12	-03	MW2-190402		1150	GW	KC	X	X	X	X	X	X			12	-04	RIMW2-190402		1325	GW	KC	X	X	X	X	X	X			12	-05	RIMW6D-190402		0930	GW	DA	X	X	X	X	X	X			12	-06	RIMW4D-190402		1155	GW	DA	X	X	X	X	X	X			12	-07	LTB01-190402		-	Blank	-	X					
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type: VA A A A P P Preservative: B A A A C E/A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																			
Relinquished By: <u>[Signature]</u>		Date/Time: <u>4/2/19 1425</u>		Received By: <u>[Signature]</u>		Date/Time: <u>4/3/19 1425</u>																																																																																																																																					
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JOB: L1932554 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0150: Volatiles Matrix Spike Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0230: Semivolatiles Matrix Spike Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0750: PCBs Matrix Spike Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
0950: Pesticides Matrix Spike Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
1240: Wet Chemistry Matrix Spike Report - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L1932554-02 for product NYTCL-8270-LVI



ANALYTICAL REPORT

Lab Number:	L1932554
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:	08/01/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: L1932554
Report Date: 08/01/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1932554-01	RIGP1_190723	WATER	SCHENECTADY, NY	07/23/19 09:45	07/23/19
L1932554-02	RIGP2_190723	WATER	SCHENECTADY, NY	07/23/19 10:50	07/23/19
L1932554-03	RIGP3_190723	WATER	SCHENECTADY, NY	07/23/19 10:45	07/23/19
L1932554-04	RIGP4_190723	WATER	SCHENECTADY, NY	07/23/19 11:40	07/23/19
L1932554-05	RIGP5_190723	WATER	SCHENECTADY, NY	07/23/19 12:30	07/23/19
L1932554-06	LTB01__190723	WATER	SCHENECTADY, NY	07/23/19 00:00	07/23/19
L1932554-07	FTB01_190723	WATER	SCHENECTADY, NY	07/23/19 09:40	07/23/19
L1932554-08	EB01__190723	WATER	SCHENECTADY, NY	07/23/19 09:30	07/23/19
L1932554-09	FD01__190723	WATER	SCHENECTADY, NY	07/23/19 00:00	07/23/19

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

Lab Number: L1932554
Report Date: 08/01/19

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: L1932554
Report Date: 08/01/19

Case Narrative (continued)

Report Submission

August 01, 2019: This is a preliminary report.

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

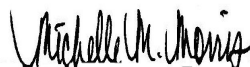
Total Metals

The WG1264887-4 MSD recovery for calcium (173%), performed on L1932554-02, does not apply because the sample concentration is greater than four times the spike amount added.

The WG1264887-4 MSD recovery, performed on L1932554-02, is outside the acceptance criteria for sodium (130%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 08/01/19

ORGANICS

VOLATILES

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-01
Client ID: RIGP1_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:45
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/28/19 19:17
Analyst: AD

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	9.4		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	1.6		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	4.4		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	3.3		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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-01
Client ID: RIGP1_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:45
Date Received: 07/23/19
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	9.9		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
 Client ID: RIGP2_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/28/19 19:39
 Analyst: AD

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	9.2		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	1.4		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.9		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	3.3		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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
Client ID: RIGP2_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.8	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-03
Client ID: RIGP3_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:45
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/28/19 20:01
Analyst: AD

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	4.8		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	8.6		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	0.89		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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-03
Client ID: RIGP3_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:45
Date Received: 07/23/19
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	10		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

Total TIC Compounds	1.72	J	ug/l	1
iso-Propyl Alcohol	1.72	NJ	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	109		70-130

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-06
 Client ID: LTB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/28/19 20:23
 Analyst: AD

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:** L1932554**Project Number:** 16.6334**Report Date:** 08/01/19**SAMPLE RESULTS**

Lab ID: L1932554-06
 Client ID: LTB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	14		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

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

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 07/28/19 20:45
 Analyst: AD

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	0.80	J	ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
Client ID: EB01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.5	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/28/19 21:07
Analyst: AD

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	9.4		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	1.3		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.8		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	3.3		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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
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	7.2		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/28/19 15:38
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08-09 Batch: WG1265793-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/28/19 15:38
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08-09 Batch: WG1265793-5					
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: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/28/19 15:38
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08-09 Batch: WG1265793-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08-09 Batch: WG1265793-3 WG1265793-4								
Methylene chloride	93		92		70-130	1		20
1,1-Dichloroethane	90		95		70-130	5		20
Chloroform	83		94		70-130	12		20
Carbon tetrachloride	83		88		63-132	6		20
1,2-Dichloropropane	98		98		70-130	0		20
Dibromochloromethane	98		97		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	92		92		70-130	0		20
Chlorobenzene	97		100		75-130	3		20
Trichlorofluoromethane	74		77		62-150	4		20
1,2-Dichloroethane	84		87		70-130	4		20
1,1,1-Trichloroethane	85		89		67-130	5		20
Bromodichloromethane	90		93		67-130	3		20
trans-1,3-Dichloropropene	95		92		70-130	3		20
cis-1,3-Dichloropropene	88		92		70-130	4		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	96		100		70-130	4		20
Toluene	100		100		70-130	0		20
Ethylbenzene	93		98		70-130	5		20
Chloromethane	110		100		64-130	10		20
Bromomethane	72		78		39-139	8		20
Vinyl chloride	96		100		55-140	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08-09 Batch: WG1265793-3 WG1265793-4								
Chloroethane	80		80		55-138	0		20
1,1-Dichloroethene	90		93		61-145	3		20
trans-1,2-Dichloroethene	87		85		70-130	2		20
Trichloroethene	89		93		70-130	4		20
1,2-Dichlorobenzene	89		89		70-130	0		20
1,3-Dichlorobenzene	92		92		70-130	0		20
1,4-Dichlorobenzene	91		91		70-130	0		20
Methyl tert butyl ether	86		85		63-130	1		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	88		93		58-148	6		20
Carbon disulfide	91		99		51-130	8		20
2-Butanone	80		82		63-138	2		20
4-Methyl-2-pentanone	98		94		59-130	4		20
2-Hexanone	78		82		57-130	5		20
Bromochloromethane	86		89		70-130	3		20
1,2-Dibromoethane	92		91		70-130	1		20
1,2-Dibromo-3-chloropropane	88		88		41-144	0		20
Isopropylbenzene	90		97		70-130	7		20
1,2,3-Trichlorobenzene	86		84		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1932554

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08-09 Batch: WG1265793-3 WG1265793-4								
1,2,4-Trichlorobenzene	86		86		70-130	0		20
Methyl Acetate	93		93		70-130	0		20
Cyclohexane	90		91		70-130	1		20
1,4-Dioxane	156		152		56-162	3		20
Freon-113	86		83		70-130	4		20
Methyl cyclohexane	85		92		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		95		70-130
Toluene-d8	113		110		70-130
4-Bromofluorobenzene	104		106		70-130
Dibromofluoromethane	102		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08-09 QC Batch ID: WG1265793-6 WG1265793-7 QC Sample: L1932554-02 Client ID: RIGP2_190723												
Methylene chloride	ND	10	12	120		13	130		70-130	8		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	9.2	10	20	108		21	118		70-130	5		20
Carbon tetrachloride	ND	10	10	100		11	110		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		12	120		70-130	9		20
Dibromochloromethane	1.4	10	13	116		12	106		63-130	8		20
1,1,2-Trichloroethane	ND	10	12	120		12	120		70-130	0		20
Tetrachloroethene	6.9	10	16	91		16	91		70-130	0		20
Chlorobenzene	ND	10	11	110		11	110		75-130	0		20
Trichlorofluoromethane	ND	10	9.6	96		9.6	96		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		9.6	96		70-130	4		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	3.3	10	14	107		14	107		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.7	97		9.8	98		70-130	1		20
cis-1,3-Dichloropropene	ND	10	9.6	96		9.8	98		70-130	2		20
Bromoform	ND	10	12	120		12	120		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		11	110		67-130	9		20
Benzene	ND	10	12	120		12	120		70-130	0		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	13	130		14	140	Q	64-130	7		20
Bromomethane	ND	10	8.6	86		11	110		39-139	24	Q	20
Vinyl chloride	ND	10	13	130		15	150	Q	55-140	14		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08-09 QC Batch ID: WG1265793-6 WG1265793-7 QC Sample: L1932554-02 Client ID: RIGP2_190723												
Chloroethane	ND	10	8.4	84		8.8	88		55-138	5		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Trichloroethene	ND	10	11	110		11	110		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	22	110		22	110		70-130	0		20
o-Xylene	ND	20	22	110		22	110		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Styrene	ND	20	22	110		22	110		70-130	0		20
Dichlorodifluoromethane	ND	10	13	130		14	140		36-147	7		20
Acetone	2.8J	10	15	150	Q	17	170	Q	58-148	13		20
Carbon disulfide	ND	10	13	130		14	140	Q	51-130	7		20
2-Butanone	ND	10	10	100		11	110		63-138	10		20
4-Methyl-2-pentanone	ND	10	11	110		11	110		59-130	0		20
2-Hexanone	ND	10	9.0	90		8.4	84		57-130	7		20
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromoethane	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	11	110		11	110		41-144	0		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.6	96		9.8	98		70-130	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08-09 QC Batch ID: WG1265793-6 WG1265793-7 QC Sample: L1932554-02 Client ID: RIGP2_190723												
1,2,4-Trichlorobenzene	ND	10	9.5	95		9.5	95		70-130	0		20
Methyl Acetate	ND	10	10	100		10	100		70-130	0		20
Cyclohexane	ND	10	10	100		11	110		70-130	10		20
1,4-Dioxane	ND	500	980	196	Q	990	198	Q	56-162	1		20
Freon-113	ND	10	11	110		10	100		70-130	10		20
Methyl cyclohexane	ND	10	9.8J	98		10	100		70-130	2		20

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>	
1,2-Dichloroethane-d4	92		95		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		109		70-130
Toluene-d8	107		105		70-130

SEMIVOLATILES

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
 Client ID: RIGP2_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/28/19 13:34
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
 Client ID: RIGP2_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	108		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
 Client ID: RIGP2_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/30/19 12:08
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 07/29/19 17:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			37		15-110	

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
Client ID: RIGP2_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/31/19 11:46
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/30/19 11:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.30		ng/l	1.78	0.364	1
Perfluoropentanoic Acid (PFPeA)	2.74		ng/l	1.78	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	1.26	J	ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	2.66		ng/l	1.78	0.293	1
Perfluoroheptanoic Acid (PFHpA)	1.00	J	ng/l	1.78	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	1.00	J	ng/l	1.78	0.336	1
Perfluorooctanoic Acid (PFOA)	2.99		ng/l	1.78	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.614	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	5.21		ng/l	1.78	0.450	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.578	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.875	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.518	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.718	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.332	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	8.20		ng/l	1.78	0.211	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
 Client ID: RIGP2_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	59		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		33-143

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-03
 Client ID: RIGP3_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:45
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/28/19 07:02
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1932554**Project Number:** 16.6334**Report Date:** 08/01/19**SAMPLE RESULTS**

Lab ID: L1932554-03

Date Collected: 07/23/19 10:45

Client ID: RIGP3_190723

Date Received: 07/23/19

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						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	39.6	J	ug/l			1
Aldol Condensates	39.6	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	69		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	83		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-03
 Client ID: RIGP3_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:45
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/28/19 13:50
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-03
 Client ID: RIGP3_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:45
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	100		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-04
 Client ID: RIGP4_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 11:40
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/28/19 07:27
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-04
Client ID: RIGP4_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 11:40
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	47.0	J	ug/l			1
Unknown	1.71	J	ug/l			1
Aldol Condensates	38.0	J	ug/l			1
Unknown Alcohol	1.78	J	ug/l			1
Unknown Alcohol	3.24	J	ug/l			1
Unknown	2.22	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	91		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-04
 Client ID: RIGP4_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 11:40
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/28/19 14:06
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-04
 Client ID: RIGP4_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 11:40
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	111		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-05
 Client ID: RIGP5_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 12:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/28/19 07:53
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-05
 Client ID: RIGP5_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 12:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	21.2	J	ug/l			1
Aldol Condensates	21.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	88		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-05
 Client ID: RIGP5_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 12:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/28/19 14:23
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-05
 Client ID: RIGP5_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 12:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	92		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-06
Client ID: LTB01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/31/19 12:03
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/30/19 11:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.96	0.400	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.96	0.388	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.96	0.233	1
Perfluorohexanoic Acid (PFHxA)	0.396	J	ng/l	1.96	0.322	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.96	0.221	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.96	0.369	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.96	0.231	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.96	1.30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.96	0.674	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.96	0.306	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.96	0.494	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.96	0.298	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.96	1.19	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.96	0.635	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.96	0.255	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.96	0.961	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.96	0.569	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.96	0.788	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.96	0.365	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.96	0.321	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.96	0.243	1
PFOA/PFOS, Total	ND		ng/l	1.96	0.231	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-06
 Client ID: LTB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	114		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	70		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	48		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	71		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	63		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		33-143

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-07
Client ID: FTB01_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:40
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/31/19 12:19
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/30/19 11:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.02	0.413	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.02	0.401	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.02	0.241	1
Perfluorohexanoic Acid (PFHxA)	0.376	J	ng/l	2.02	0.332	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.02	0.228	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.02	0.380	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.02	0.239	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.02	1.35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.02	0.696	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.02	0.316	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.02	0.510	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.02	0.308	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.02	1.23	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.02	0.656	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.02	0.263	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.02	0.992	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.02	0.587	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.02	0.814	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.02	0.376	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.02	0.331	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.02	0.251	1
PFOA/PFOS, Total	ND		ng/l	2.02	0.239	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-07
 Client ID: FTB01_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:40
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	114		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	49		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	50		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		33-143

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 07/28/19 08:18
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Tentatively Identified Compounds

Total TIC Compounds	20.2	J	ug/l			1
Aldol Condensates	20.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	92		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/28/19 14:39
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	111		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/30/19 13:39
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 07/29/19 17:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			37		15-110	

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
Client ID: EB01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/31/19 12:36
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/30/19 11:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.79	0.366	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.79	0.355	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	0.305	J	ng/l	1.79	0.294	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.79	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.79	0.337	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.616	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.79	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.79	0.452	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.581	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.233	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.878	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.520	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.720	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.333	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.293	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	ND		ng/l	1.79	0.211	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	135		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	52		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	74		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	31		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		33-143

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/28/19 08:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds

Total TIC Compounds	63.4	J	ug/l			1
Unknown	3.67	J	ug/l			1
Unknown	4.25	J	ug/l			1
Unknown	2.54	J	ug/l			1
Aldol Condensates	21.4	J	ug/l			1
Unknown	2.14	J	ug/l			1
Unknown	2.22	J	ug/l			1
Unknown	3.09	J	ug/l			1
Unknown	2.07	J	ug/l			1
Unknown	2.11	J	ug/l			1
Unknown	2.18	J	ug/l			1
Unknown	6.33	J	ug/l			1
Unknown	2.29	J	ug/l			1
Unknown	3.42	J	ug/l			1
Unknown	3.38	J	ug/l			1
Unknown	2.29	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		21-120
Phenol-d6	75		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	89		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
 Client ID: FD01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/28/19 14:56
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
 Client ID: FD01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	108		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
 Client ID: FD01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 07/30/19 14:10
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 07/29/19 17:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
1,4-Dioxane-d8			38		15-110	

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 07/31/19 12:52
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/30/19 11:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.24		ng/l	1.77	0.360	1
Perfluoropentanoic Acid (PFPeA)	2.77		ng/l	1.77	0.350	1
Perfluorobutanesulfonic Acid (PFBS)	1.19	J	ng/l	1.77	0.210	1
Perfluorohexanoic Acid (PFHxA)	2.49		ng/l	1.77	0.290	1
Perfluoroheptanoic Acid (PFHpA)	0.989	J	ng/l	1.77	0.199	1
Perfluorohexanesulfonic Acid (PFHxS)	1.27	J	ng/l	1.77	0.332	1
Perfluorooctanoic Acid (PFOA)	2.94		ng/l	1.77	0.208	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.77	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.77	0.608	1
Perfluorononanoic Acid (PFNA)	0.293	J	ng/l	1.77	0.276	1
Perfluorooctanesulfonic Acid (PFOS)	5.80		ng/l	1.77	0.445	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.77	0.268	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.77	1.07	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.77	0.572	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.77	0.230	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.77	0.866	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.77	0.512	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.77	0.710	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.77	0.329	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.77	0.289	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.77	0.219	1
PFOA/PFOS, Total	8.74		ng/l	1.77	0.208	1

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
 Client ID: FD01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	100		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	132		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	60		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	86		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	42		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		33-143

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/28/19 01:30
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-05,08-09 Batch: WG1265268-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/28/19 01:30
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-05,08-09 Batch: WG1265268-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
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	18.1	J	ug/l
Aldol Condensates	18.1	J	ug/l

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/28/19 01:30
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-05,08-09 Batch: WG1265268-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	90		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/28/19 12:12
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-05,08-09 Batch: WG1265269-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

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

Lab Number: L1932554
Report Date: 08/01/19

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8270D-SIM
 Analytical Date: 07/28/19 12:12
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-05,08-09 Batch: WG1265269-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	104		41-149

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 07/30/19 10:37
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 07/29/19 17:05

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 02,08-09 Batch: WG1265862-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

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

Lab Number: L1932554
Report Date: 08/01/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 122,537(M)
Analytical Date: 07/31/19 13:42
Analyst: JW

Extraction Method: EPA 537
Extraction Date: 07/30/19 11:01

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02,06-09 Batch: WG1266141-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

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

Lab Number: L1932554
Report Date: 08/01/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 122,537(M)
 Analytical Date: 07/31/19 13:42
 Analyst: JW

Extraction Method: EPA 537
 Extraction Date: 07/30/19 11:01

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02,06-09 Batch: WG1266141-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,08-09 Batch: WG1265268-2 WG1265268-3								
Bis(2-chloroethyl)ether	82		75		40-140	9		30
3,3'-Dichlorobenzidine	59		45		40-140	27		30
2,4-Dinitrotoluene	74		66		48-143	11		30
2,6-Dinitrotoluene	82		71		40-140	14		30
4-Chlorophenyl phenyl ether	76		65		40-140	16		30
4-Bromophenyl phenyl ether	76		64		40-140	17		30
Bis(2-chloroisopropyl)ether	118		107		40-140	10		30
Bis(2-chloroethoxy)methane	92		81		40-140	13		30
Hexachlorocyclopentadiene	65		60		40-140	8		30
Isophorone	95		87		40-140	9		30
Nitrobenzene	94		88		40-140	7		30
NDPA/DPA	81		70		40-140	15		30
n-Nitrosodi-n-propylamine	103		94		29-132	9		30
Bis(2-ethylhexyl)phthalate	92		80		40-140	14		30
Butyl benzyl phthalate	95		84		40-140	12		30
Di-n-butylphthalate	95		82		40-140	15		30
Di-n-octylphthalate	99		85		40-140	15		30
Diethyl phthalate	94		82		40-140	14		30
Dimethyl phthalate	89		79		40-140	12		30
Biphenyl	77		69		40-140	11		30
4-Chloroaniline	68		12	Q	40-140	140	Q	30
2-Nitroaniline	84		76		52-143	10		30
3-Nitroaniline	60		20	Q	25-145	100	Q	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,08-09 Batch: WG1265268-2 WG1265268-3								
4-Nitroaniline	75		60		51-143	22		30
Dibenzofuran	74		65		40-140	13		30
1,2,4,5-Tetrachlorobenzene	68		61		2-134	11		30
Acetophenone	84		77		39-129	9		30
2,4,6-Trichlorophenol	75		68		30-130	10		30
p-Chloro-m-cresol	95		84		23-97	12		30
2-Chlorophenol	76		72		27-123	5		30
2,4-Dichlorophenol	77		69		30-130	11		30
2,4-Dimethylphenol	64		66		30-130	3		30
2-Nitrophenol	81		72		30-130	12		30
4-Nitrophenol	101	Q	88	Q	10-80	14		30
2,4-Dinitrophenol	85		78		20-130	9		30
4,6-Dinitro-o-cresol	88		81		20-164	8		30
Phenol	71		64		12-110	10		30
3-Methylphenol/4-Methylphenol	82		74		30-130	10		30
2,4,5-Trichlorophenol	80		73		30-130	9		30
Carbazole	90		80		55-144	12		30
Atrazine	127		109		40-140	15		30
Benzaldehyde	82		77		40-140	6		30
Caprolactam	58		43		10-130	30		30
2,3,4,6-Tetrachlorophenol	75		66		40-140	13		30

Lab Control Sample Analysis

Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-05,08-09 Batch: WG1265268-2 WG1265268-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	74		68		21-120
Phenol-d6	72		65		10-120
Nitrobenzene-d5	103		96		23-120
2-Fluorobiphenyl	82		75		15-120
2,4,6-Tribromophenol	67		61		10-120
4-Terphenyl-d14	87		75		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-05,08-09 Batch: WG1265269-2 WG1265269-3								
Acenaphthene	85		82		40-140	4		40
2-Chloronaphthalene	86		82		40-140	5		40
Fluoranthene	84		82		40-140	2		40
Hexachlorobutadiene	76		72		40-140	5		40
Naphthalene	82		79		40-140	4		40
Benzo(a)anthracene	83		79		40-140	5		40
Benzo(a)pyrene	86		80		40-140	7		40
Benzo(b)fluoranthene	86		80		40-140	7		40
Benzo(k)fluoranthene	88		82		40-140	7		40
Chrysene	81		77		40-140	5		40
Acenaphthylene	88		87		40-140	1		40
Anthracene	87		82		40-140	6		40
Benzo(ghi)perylene	92		78		40-140	16		40
Fluorene	86		83		40-140	4		40
Phenanthrene	84		79		40-140	6		40
Dibenzo(a,h)anthracene	91		81		40-140	12		40
Indeno(1,2,3-cd)pyrene	88		78		40-140	12		40
Pyrene	84		82		40-140	2		40
2-Methylnaphthalene	86		82		40-140	5		40
Pentachlorophenol	92		88		40-140	4		40
Hexachlorobenzene	88		82		40-140	7		40
Hexachloroethane	81		78		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-05,08-09 Batch: WG1265269-2 WG1265269-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	71		67		21-120
Phenol-d6	60		57		10-120
Nitrobenzene-d5	89		87		23-120
2-Fluorobiphenyl	84		81		15-120
2,4,6-Tribromophenol	101		93		10-120
4-Terphenyl-d14	92		92		41-149

Lab Control Sample Analysis Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 02,08-09 Batch: WG1265862-2 WG1265862-3								
1,4-Dioxane	118		118		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	36		41		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,06-09 Batch: WG1266141-2 WG1266141-3								
Perfluorobutanoic Acid (PFBA)	96		96		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	89		90		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	71		70		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	97		94		69-168	3		30
Perfluoroheptanoic Acid (PFHpA)	94		96		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	96		98		69-177	2		30
Perfluorooctanoic Acid (PFOA)	93		93		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		91		49-187	14		30
Perfluoroheptanesulfonic Acid (PFHpS)	71		77		61-179	8		30
Perfluorononanoic Acid (PFNA)	90		92		68-171	2		30
Perfluorooctanesulfonic Acid (PFOS)	85		91		52-151	7		30
Perfluorodecanoic Acid (PFDA)	96		94		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	74		75		56-173	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		97		60-166	1		30
Perfluoroundecanoic Acid (PFUnA)	93		97		60-153	4		30
Perfluorodecanesulfonic Acid (PFDS)	89		88		38-156	1		30
Perfluorooctanesulfonamide (FOSA)	77		80		46-170	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	91		88		45-170	3		30
Perfluorododecanoic Acid (PFDoA)	92		100		67-153	8		30
Perfluorotridecanoic Acid (PFTrDA)	89		92		48-158	3		30
Perfluorotetradecanoic Acid (PFTA)	101		99		59-182	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,06-09 Batch: WG1266141-2 WG1266141-3

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		92		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		106		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		84		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		95		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94		92		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		84		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		57		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		97		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		95		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		92		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		68		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		78		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		91		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	53		47		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		80		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		84		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		80		33-143

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-05,08-09 QC Batch ID: WG1265269-4 WG1265269-5 QC Sample: L1932554-02 Client ID: RIGP2_190723												
Acenaphthene	ND	18.2	17	94		16	88		40-140	6		40
2-Chloronaphthalene	ND	18.2	17	94		16	88		40-140	6		40
Fluoranthene	ND	18.2	16	88		16	88		40-140	0		40
Hexachlorobutadiene	ND	18.2	15	83		14	77		40-140	7		40
Naphthalene	ND	18.2	17	94		15	83		40-140	13		40
Benzo(a)anthracene	ND	18.2	17	94		16	88		40-140	6		40
Benzo(a)pyrene	ND	18.2	16	88		15	83		40-140	6		40
Benzo(b)fluoranthene	ND	18.2	17	94		16	88		40-140	6		40
Benzo(k)fluoranthene	ND	18.2	17	94		17	94		40-140	0		40
Chrysene	ND	18.2	16	88		15	83		40-140	6		40
Acenaphthylene	ND	18.2	18	99		17	94		40-140	6		40
Anthracene	ND	18.2	17	94		16	88		40-140	6		40
Benzo(ghi)perylene	ND	18.2	19	100		16	88		40-140	17		40
Fluorene	ND	18.2	17	94		16	88		40-140	6		40
Phenanthrene	ND	18.2	16	88		15	83		40-140	6		40
Dibenzo(a,h)anthracene	ND	18.2	19	100		16	88		40-140	17		40
Indeno(1,2,3-cd)pyrene	ND	18.2	18	99		16	88		40-140	12		40
Pyrene	ND	18.2	16	88		16	88		40-140	0		40
2-Methylnaphthalene	ND	18.2	18	99		16	88		40-140	12		40
Pentachlorophenol	ND	18.2	20	110		20	110		40-140	0		40
Hexachlorobenzene	ND	18.2	18	99		16	88		40-140	12		40
Hexachloroethane	ND	18.2	16	88		14	77		40-140	13		40

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-05,08-09 QC Batch ID: WG1265269-4 WG1265269-5 QC Sample: L1932554-02 Client ID: RIGP2_190723												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	122	Q	116		10-120
2-Fluorobiphenyl	101		95		15-120
2-Fluorophenol	89		80		21-120
4-Terphenyl-d14	107		108		41-149
Nitrobenzene-d5	110		101		23-120
Phenol-d6	78		71		10-120

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 02,08-09 QC Batch ID: WG1265862-4 WG1265862-5 QC Sample: L1932554-02 Client ID: RIGP2_190723												
1,4-Dioxane	ND	4810	5680	118		5730	119		40-140	1		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		42		15-110



Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,06-09 QC Batch ID: WG1266141-5 WG1266141-6 QC Sample: L1932554-02 Client ID: RIGP2_190723												
Perfluorobutanoic Acid (PFBA)	2.30	36.4	37.2	96		35.9	96		67-148	4		30
Perfluoropentanoic Acid (PFPeA)	2.74	36.4	34.5	87		33.9	89		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	1.26J	36.4	26.1	72		25.9	74		65-157	1		30
Perfluorohexanoic Acid (PFHxA)	2.66	36.4	36.6	93		36.0	95		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	1.00J	36.4	35.3	97		34.4	98		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	1.00J	36.4	35.8	98		35.0	100		69-177	2		30
Perfluorooctanoic Acid (PFOA)	2.99	36.4	36.2	91		36.4	96		63-159	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	36.4	33.4	92		32.4	93		49-187	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.4	30.4	84		26.5	76		61-179	14		30
Perfluorononanoic Acid (PFNA)	ND	36.4	33.5	92		31.7	91		68-171	6		30
Perfluorooctanesulfonic Acid (PFOS)	5.21	36.4	39.6	95		37.7	93		52-151	5		30
Perfluorodecanoic Acid (PFDA)	ND	36.4	33.8	93		33.2	95		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.4	27.9	77		26.3	75		56-173	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	36.4	30.7	84		31.4	90		60-166	2		30
Perfluoroundecanoic Acid (PFUnA)	ND	36.4	30.9	85		31.7	91		60-153	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36.4	27.0	74		27.0	77		38-156	0		30
Perfluorooctanesulfonamide (FOSA)	ND	36.4	27.9	77		27.4	78		46-170	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	36.4	29.2	80		29.7	85		45-170	2		30
Perfluorododecanoic Acid (PFDoA)	ND	36.4	33.9	93		31.9	91		67-153	6		30
Perfluorotridecanoic Acid (PFTrDA)	ND	36.4	32.1	88		30.9	88		48-158	4		30
Perfluorotetradecanoic Acid (PFTTA)	ND	36.4	35.9	99		33.6	96		59-182	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,06-09 QC Batch ID: WG1266141-5 WG1266141-6 QC Sample: L1932554-02 Client ID: RIGP2_190723												

<i>Surrogate (Extracted Internal Standard)</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		59		7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		60		1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		52		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		56		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		69		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		73		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		89		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		82		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		65		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		66		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		88		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		111		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	47		39		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		84		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		88		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		87		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		85		31-159

PCBS

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
Client ID: RIGP2_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/31/19 00:47
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:59
Cleanup Method: EPA 3665A
Cleanup Date: 07/27/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/27/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	99		30-150	B

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
Client ID: EB01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/31/19 01:41
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:59
Cleanup Method: EPA 3665A
Cleanup Date: 07/27/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/27/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	52		30-150	B

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/31/19 01:54
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:59
Cleanup Method: EPA 3665A
Cleanup Date: 07/27/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/27/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	97		30-150	B

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

Lab Number: L1932554
Report Date: 08/01/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 07/28/19 15:21
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 02:26
Cleanup Method: EPA 3665A
Cleanup Date: 07/27/19
Cleanup Method: EPA 3660B
Cleanup Date: 07/27/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,08-09 Batch: WG1265262-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,08-09 Batch: WG1265262-2 WG1265262-3									
Aroclor 1016	86		87		40-140	2		50	A
Aroclor 1260	87		90		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		86		30-150	A
Decachlorobiphenyl	92		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		83		30-150	B
Decachlorobiphenyl	94		100		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,08-09 QC Batch ID: WG1265262-4 WG1265262-5 QC Sample: L1932554-02 Client ID: RIGP2_190723													
Aroclor 1016	ND	1.78	1.55	87		1.47	82		40-140	5		50	A
Aroclor 1260	ND	1.78	1.55	87		1.53	86		40-140	1		50	A

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	86		79		30-150	A
Decachlorobiphenyl	100		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		76		30-150	B
Decachlorobiphenyl	102		90		30-150	B

PESTICIDES

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
 Client ID: RIGP2_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
 Date Received: 07/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 07/28/19 10:51
 Analyst: AMC

Extraction Method: EPA 3510C
 Extraction Date: 07/27/19 03:56

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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
 Client ID: RIGP2_190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
 Date Received: 07/23/19
 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	62		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	74		30-150	B

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
Client ID: EB01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/28/19 11:29
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:56

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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
 Client ID: EB01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
 Date Received: 07/23/19
 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	57		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	35		30-150	B

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/28/19 11:42
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 03:56

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
Project Number: 16.6334

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
 Client ID: FD01__190723
 Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
 Date Received: 07/23/19
 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	59		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	80		30-150	B

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

Lab Number: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/27/19 23:50
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 02:24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,08-09 Batch: WG1265260-1						
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: L1932554
Report Date: 08/01/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/27/19 23:50
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 07/27/19 02:24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,08-09 Batch: WG1265260-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,08-09 Batch: WG1265260-2 WG1265260-3									
Delta-BHC	73		69		30-150	5		20	A
Lindane	70		68		30-150	2		20	A
Alpha-BHC	73		73		30-150	1		20	A
Beta-BHC	65		64		30-150	1		20	A
Heptachlor	57		54		30-150	6		20	A
Aldrin	69		62		30-150	10		20	A
Heptachlor epoxide	72		70		30-150	2		20	A
Endrin	73		69		30-150	6		20	A
Endrin aldehyde	65		64		30-150	1		20	A
Endrin ketone	72		70		30-150	3		20	A
Dieldrin	75		73		30-150	3		20	A
4,4'-DDE	74		71		30-150	4		20	A
4,4'-DDD	69		67		30-150	4		20	A
4,4'-DDT	69		66		30-150	4		20	A
Endosulfan I	67		65		30-150	3		20	A
Endosulfan II	69		66		30-150	4		20	A
Endosulfan sulfate	71		68		30-150	5		20	A
Methoxychlor	61		59		30-150	3		20	A
cis-Chlordane	65		62		30-150	4		20	A
trans-Chlordane	68		64		30-150	6		20	A

Lab Control Sample Analysis Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,08-09 Batch: WG1265260-2 WG1265260-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	67		59		30-150	A
Decachlorobiphenyl	82		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		56		30-150	B
Decachlorobiphenyl	79		68		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>	<i>Column</i>
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,08-09 QC Batch ID: WG1265260-4 WG1265260-5 QC Sample: L1932554-02 Client ID: RIGP2_190723													
Delta-BHC	ND	0.357	0.230	64		0.243	68		30-150	5		30	A
Lindane	ND	0.357	0.230	64		0.238	67		30-150	3		30	A
Alpha-BHC	ND	0.357	0.233	65		0.243	68		30-150	4		30	A
Beta-BHC	ND	0.357	0.227	64		0.236	66		30-150	4		30	A
Heptachlor	ND	0.357	0.201	56		0.209	58		30-150	4		30	A
Aldrin	ND	0.357	0.200	56		0.209	58		30-150	4		30	A
Heptachlor epoxide	ND	0.357	0.219	61		0.230	64		30-150	5		30	A
Endrin	ND	0.357	0.219	61		0.228	64		30-150	4		30	A
Endrin aldehyde	ND	0.357	0.163	46		0.178	50		30-150	9		30	A
Endrin ketone	ND	0.357	0.223	62		0.233	65		30-150	4		30	A
Dieldrin	ND	0.357	0.218	61		0.228	64		30-150	4		30	A
4,4'-DDE	ND	0.357	0.218	61		0.227	64		30-150	4		30	A
4,4'-DDD	ND	0.357	0.214	60		0.223	62		30-150	4		30	A
4,4'-DDT	ND	0.357	0.212	59		0.218	61		30-150	3		30	A
Endosulfan I	ND	0.357	0.198	55		0.207	58		30-150	4		30	A
Endosulfan II	ND	0.357	0.203	57		0.212	59		30-150	4		30	A
Endosulfan sulfate	ND	0.357	0.201	56		0.212	59		30-150	5		30	A
Methoxychlor	ND	0.357	0.190	53		0.198	55		30-150	4		30	A
cis-Chlordane	ND	0.357	0.203	57		0.223	62		30-150	9		30	A
trans-Chlordane	ND	0.357	0.202	57		0.210	59		30-150	4		30	A

Matrix Spike Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,08-09 QC Batch ID: WG1265260-4 WG1265260-5 QC Sample: L1932554-02
Client ID: RIGP2_190723

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	58		62		30-150	A
Decachlorobiphenyl	58		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		60		30-150	B
Decachlorobiphenyl	68		65		30-150	B

METALS

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02

Date Collected: 07/23/19 10:50

Client ID: RIGP2_190723

Date Received: 07/23/19

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	0.0100	0.00327	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Antimony, Total	0.00204	J	mg/l	0.00400	0.00042	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Barium, Total	0.02542		mg/l	0.00050	0.00017	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Calcium, Total	60.9		mg/l	0.100	0.0394	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Chromium, Total	0.00024	J	mg/l	0.00100	0.00017	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Copper, Total	0.00064	J	mg/l	0.00100	0.00038	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Iron, Total	0.0261	J	mg/l	0.0500	0.0191	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Magnesium, Total	8.83		mg/l	0.0700	0.0242	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Manganese, Total	0.03091		mg/l	0.00100	0.00044	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/29/19 13:00	07/29/19 19:04	EPA 7470A	1,7470A	EA
Nickel, Total	0.00069	J	mg/l	0.00200	0.00055	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Potassium, Total	5.96		mg/l	0.100	0.0309	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Sodium, Total	39.6		mg/l	0.100	0.0293	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/26/19 10:27	07/26/19 20:04	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-04

Date Collected: 07/23/19 11:40

Client ID: RIGP4_190723

Date Received: 07/23/19

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	0.00629	J	mg/l	0.0100	0.00327	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00039	J	mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Barium, Total	0.01779		mg/l	0.00050	0.00017	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Calcium, Total	95.0		mg/l	0.100	0.0394	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Chromium, Total	0.00125		mg/l	0.00100	0.00017	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Copper, Total	0.00052	J	mg/l	0.00100	0.00038	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Iron, Total	0.0806		mg/l	0.0500	0.0191	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Magnesium, Total	9.92		mg/l	0.0700	0.0242	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Manganese, Total	0.02981		mg/l	0.00100	0.00044	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/29/19 13:00	07/29/19 19:17	EPA 7470A	1,7470A	EA
Nickel, Total	0.00060	J	mg/l	0.00200	0.00055	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Potassium, Total	4.96		mg/l	0.100	0.0309	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Sodium, Total	149.		mg/l	0.100	0.0293	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/26/19 10:27	07/26/19 20:16	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-05

Date Collected: 07/23/19 12:30

Client ID: RIGP5_190723

Date Received: 07/23/19

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	0.0100	0.00327	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00017	J	mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Barium, Total	0.02874		mg/l	0.00050	0.00017	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Calcium, Total	126.		mg/l	0.100	0.0394	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Chromium, Total	0.00307		mg/l	0.00100	0.00017	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00022	J	mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Copper, Total	0.00056	J	mg/l	0.00100	0.00038	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Magnesium, Total	14.1		mg/l	0.0700	0.0242	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Manganese, Total	0.02395		mg/l	0.00100	0.00044	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/29/19 13:00	07/29/19 19:19	EPA 7470A	1,7470A	EA
Nickel, Total	0.00073	J	mg/l	0.00200	0.00055	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Potassium, Total	5.42		mg/l	0.100	0.0309	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Selenium, Total	0.00279	J	mg/l	0.00500	0.00173	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Sodium, Total	176.		mg/l	0.100	0.0293	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/26/19 10:27	07/26/19 20:37	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1932554**Project Number:** 16.6334**Report Date:** 08/01/19**SAMPLE RESULTS**

Lab ID: L1932554-08

Date Collected: 07/23/19 09:30

Client ID: EB01__190723

Date Received: 07/23/19

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	0.0100	0.00327	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/29/19 13:00	07/29/19 19:20	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Sodium, Total	0.0498	J	mg/l	0.100	0.0293	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/26/19 10:27	07/26/19 20:41	EPA 3005A	1,6020B	AM



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09

Date Collected: 07/23/19 00:00

Client ID: FD01__190723

Date Received: 07/23/19

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	0.0100	0.00327	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Barium, Total	0.02525		mg/l	0.00050	0.00017	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Calcium, Total	60.0		mg/l	0.100	0.0394	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Copper, Total	0.00070	J	mg/l	0.00100	0.00038	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Magnesium, Total	8.54		mg/l	0.0700	0.0242	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Manganese, Total	0.02972		mg/l	0.00100	0.00044	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/29/19 13:00	07/29/19 19:24	EPA 7470A	1,7470A	EA
Nickel, Total	0.00073	J	mg/l	0.00200	0.00055	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Potassium, Total	5.87		mg/l	0.100	0.0309	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Sodium, Total	38.8		mg/l	0.100	0.0293	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/26/19 10:27	07/26/19 20:46	EPA 3005A	1,6020B	AM



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

Lab Number: L1932554
Report Date: 08/01/19

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): 02,04-05,08-09 Batch: WG1264887-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Antimony, Total	ND	mg/l	0.00400	0.00042	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Calcium, Total	ND	mg/l	0.100	0.0394	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Iron, Total	ND	mg/l	0.0500	0.0191	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	07/26/19 10:27	07/26/19 19:42	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04-05,08-09 Batch: WG1265802-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	07/29/19 13:00	07/29/19 19:02	1,7470A	EA



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 02,04-05,08-09 Batch: WG1264887-2								
Aluminum, Total	116		-		80-120	-		
Antimony, Total	84		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	108		-		80-120	-		
Beryllium, Total	111		-		80-120	-		
Cadmium, Total	114		-		80-120	-		
Calcium, Total	120		-		80-120	-		
Chromium, Total	109		-		80-120	-		
Cobalt, Total	109		-		80-120	-		
Copper, Total	103		-		80-120	-		
Iron, Total	119		-		80-120	-		
Lead, Total	112		-		80-120	-		
Magnesium, Total	114		-		80-120	-		
Manganese, Total	109		-		80-120	-		
Nickel, Total	110		-		80-120	-		
Potassium, Total	112		-		80-120	-		
Selenium, Total	112		-		80-120	-		
Silver, Total	108		-		80-120	-		
Sodium, Total	111		-		80-120	-		
Thallium, Total	110		-		80-120	-		
Vanadium, Total	110		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1932554

Report Date: 08/01/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04-05,08-09 Batch: WG1264887-2					
Zinc, Total	114	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02,04-05,08-09 Batch: WG1265802-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04-05,08-09 QC Batch ID: WG1264887-3 WG1264887-4 QC Sample: L1932554-02 Client ID: RIGP2_190723												
Aluminum, Total	ND	2	2.20	110		2.42	121		75-125	10		20
Antimony, Total	0.00204J	0.5	0.4433	89		0.4919	98		75-125	10		20
Arsenic, Total	ND	0.12	0.1324	110		0.1411	118		75-125	6		20
Barium, Total	0.02542	2	2.120	105		2.304	114		75-125	8		20
Beryllium, Total	ND	0.05	0.05623	112		0.05898	118		75-125	5		20
Cadmium, Total	ND	0.051	0.05734	112		0.06189	121		75-125	8		20
Calcium, Total	60.9	10	73.0	121		78.2	173	Q	75-125	7		20
Chromium, Total	0.00024J	0.2	0.2093	105		0.2337	117		75-125	11		20
Cobalt, Total	ND	0.5	0.5216	104		0.5768	115		75-125	10		20
Copper, Total	0.00064J	0.25	0.2579	103		0.2760	110		75-125	7		20
Iron, Total	0.0261J	1	1.20	120		1.24	124		75-125	3		20
Lead, Total	ND	0.51	0.5489	108		0.6036	118		75-125	9		20
Magnesium, Total	8.83	10	19.4	106		21.3	125		75-125	9		20
Manganese, Total	0.03091	0.5	0.5432	102		0.6045	115		75-125	11		20
Nickel, Total	0.00069J	0.5	0.5130	103		0.5657	113		75-125	10		20
Potassium, Total	5.96	10	16.7	107		17.7	117		75-125	6		20
Selenium, Total	ND	0.12	0.129	108		0.139	116		75-125	7		20
Silver, Total	ND	0.05	0.05181	104		0.05546	111		75-125	7		20
Sodium, Total	39.6	10	49.0	94		52.6	130	Q	75-125	7		20
Thallium, Total	ND	0.12	0.1266	106		0.1394	116		75-125	10		20
Vanadium, Total	ND	0.5	0.5242	105		0.5893	118		75-125	12		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

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): 02,04-05,08-09 QC Batch ID: WG1264887-3 WG1264887-4 QC Sample: L1932554-02 Client ID: RIGP2_190723									
Zinc, Total	ND	0.5	0.5471	109	0.6027	120	75-125	10	20
Total Metals - Mansfield Lab Associated sample(s): 02,04-05,08-09 QC Batch ID: WG1265802-3 WG1265802-4 QC Sample: L1932554-02 Client ID: RIGP2_190723									
Mercury, Total	ND	0.005	0.00470	94	0.00476	95	75-125	1	20

INORGANICS & MISCELLANEOUS

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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-02
Client ID: RIGP2_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 10:50
Date Received: 07/23/19
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	07/24/19 11:55	07/24/19 14:43	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/24/19 06:00	07/24/19 06:24	1,7196A	JW



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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-04
Client ID: RIGP4_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 11:40
Date Received: 07/23/19
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	07/24/19 11:55	07/24/19 14:46	1,9010C/9012B	LH
Chromium, Hexavalent	0.004	J	mg/l	0.010	0.003	1	07/24/19 06:00	07/24/19 06:25	1,7196A	JW



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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-05
Client ID: RIGP5_190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 12:30
Date Received: 07/23/19
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	07/24/19 11:55	07/24/19 14:47	1,9010C/9012B	LH
Chromium, Hexavalent	0.004	J	mg/l	0.010	0.003	1	07/24/19 06:00	07/24/19 06:25	1,7196A	JW



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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-08
Client ID: EB01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 09:30
Date Received: 07/23/19
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	07/24/19 11:55	07/24/19 14:49	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/24/19 06:00	07/24/19 06:26	1,7196A	JW



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

Lab Number: L1932554
Report Date: 08/01/19

SAMPLE RESULTS

Lab ID: L1932554-09
Client ID: FD01__190723
Sample Location: SCHENECTADY, NY

Date Collected: 07/23/19 00:00
Date Received: 07/23/19
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	07/24/19 11:55	07/24/19 14:50	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/24/19 06:00	07/24/19 06:26	1,7196A	JW



Project Name: HAMILTON HILL II TA1 SITE

Lab Number: L1932554

Project Number: 16.6334

Report Date: 08/01/19

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): 02,04-05,08-09 Batch: WG1263670-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/24/19 06:00	07/24/19 06:23	1,7196A	JW
General Chemistry - Westborough Lab for sample(s): 02,04-05,08-09 Batch: WG1263803-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	07/24/19 11:55	07/24/19 14:30	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1932554

Report Date: 08/01/19

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 02,04-05,08-09 Batch: WG1263670-2								
Chromium, Hexavalent	100		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04-05,08-09 Batch: WG1263803-2 WG1263803-3								
Cyanide, Total	96		95		85-115	1		20

Matrix Spike Analysis Batch Quality Control

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

Lab Number: L1932554
Report Date: 08/01/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04-05,08-09 QC Batch ID: WG1263670-4 WG1263670-5 QC Sample: L1932554-02 Client ID: RIGP2_190723												
Chromium, Hexavalent	ND	0.1	0.096	96		0.100	100		85-115	4		20
General Chemistry - Westborough Lab Associated sample(s): 02,04-05,08-09 QC Batch ID: WG1263803-4 WG1263803-5 QC Sample: L1932554-02 Client ID: RIGP2_190723												
Cyanide, Total	ND	0.2	0.188	94		0.184	92		80-120	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HAMILTON HILL II TA1 SITE

Project Number: 16.6334

Lab Number: L1932554

Report Date: 08/01/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04-05,08-09 QC Batch ID: WG1263670-3 QC Sample: L1932554-02 Client ID: RIGP2_190723						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: HAMILTON HILL II TA1 SITE**Lab Number:** L1932554**Project Number:** 16.6334**Report Date:** 08/01/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932554-01A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-01B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-01C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02A1	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02A2	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02B1	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02B2	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02C1	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02C2	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-02D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		HEXCR-7196(1)
L1932554-02D1	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		HEXCR-7196(1)
L1932554-02D2	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		HEXCR-7196(1)
L1932554-02E	Plastic 250ml Trizma preserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-02E1	Plastic 250ml Trizma preserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-02E2	Plastic 250ml Trizma preserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-02F	Plastic 250ml Trizma preserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-02F1	Plastic 250ml Trizma preserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)

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

Serial_No:08011915:50
Lab Number: L1932554
Report Date: 08/01/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932554-02F2	Plastic 250ml Trizma preserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-02G	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1932554-02G1	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1932554-02G2	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1932554-02H	Plastic 250ml NaOH preserved	A	>12	>12	3.9	Y	Absent		TCN-9010(14)
L1932554-02H1	Plastic 250ml NaOH preserved	A	>12	>12	3.9	Y	Absent		TCN-9010(14)
L1932554-02H2	Plastic 250ml NaOH preserved	A	>12	>12	3.9	Y	Absent		TCN-9010(14)
L1932554-02I	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(7)
L1932554-02I1	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(7)
L1932554-02I2	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(7)
L1932554-02J	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(7)
L1932554-02J1	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(7)
L1932554-02J2	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(7)
L1932554-02K	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8081(7)
L1932554-02K1	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8081(7)
L1932554-02K2	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8081(7)

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

Serial_No:08011915:50
Lab Number: L1932554
Report Date: 08/01/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932554-02L	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8081(7)
L1932554-02L1	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8081(7)
L1932554-02L2	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8081(7)
L1932554-02M	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-02M1	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-02M2	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-02N	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-02N1	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-02N2	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-02O	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-02O1	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-02O2	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-02P	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-02P1	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-02P2	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-03A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-03B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-03C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L1932554-03M	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-03N	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-04D	Plastic 250ml unpreserved	C	7	7	3.4	Y	Absent		HEXCR-7196(1)
L1932554-04G	Plastic 250ml HNO3 preserved	C	<2	<2	3.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1932554-04H	Plastic 250ml NaOH preserved	C	>12	>12	3.4	Y	Absent		TCN-9010(14)
L1932554-04M	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days



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

Serial_No:08011915:50
Lab Number: L1932554
Report Date: 08/01/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932554-04N	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-05D	Plastic 250ml unpreserved	B	7	7	4.6	Y	Absent		HEXCR-7196(1)
L1932554-05G	Plastic 250ml HNO3 preserved	C	<2	<2	3.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1932554-05H	Plastic 250ml NaOH preserved	C	>12	>12	3.4	Y	Absent		TCN-9010(14)
L1932554-05M	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-05N	Amber 250ml unpreserved	C	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-06A	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L1932554-06B	Vial HCl preserved	C	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L1932554-06E	Plastic 250ml Trizma preserved	C	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-07E	Plastic 250ml unpreserved	C	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-08A	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1932554-08B	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1932554-08C	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1932554-08D	Plastic 250ml unpreserved	B	7	7	4.6	Y	Absent		HEXCR-7196(1)
L1932554-08E	Plastic 250ml Trizma preserved	D	NA		3.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-08F	Plastic 250ml Trizma preserved	D	NA		3.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-08G	Plastic 250ml HNO3 preserved	D	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1932554-08H	Plastic 250ml NaOH preserved	D	>12	>12	3.6	Y	Absent		TCN-9010(14)
L1932554-08I	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)
L1932554-08J	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days



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

Serial_No:08011915:50
Lab Number: L1932554
Report Date: 08/01/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1932554-08K	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1932554-08L	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1932554-08M	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-08N	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-08O	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-08P	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-09A	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L1932554-09B	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L1932554-09C	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L1932554-09D	Plastic 250ml unpreserved	B	7	7	4.6	Y	Absent		HEXCR-7196(1)
L1932554-09E	Plastic 250ml Trizma preserved	B	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-09F	Plastic 250ml Trizma preserved	B	NA		4.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L1932554-09G	Plastic 250ml HNO3 preserved	B	<2	<2	4.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1932554-09H	Plastic 250ml NaOH preserved	B	>12	>12	4.6	Y	Absent		TCN-9010(14)
L1932554-09I	Amber 120ml unpreserved	B	7	7	4.6	Y	Absent		NYTCL-8082-LVI(7)
L1932554-09J	Amber 120ml unpreserved	B	7	7	4.6	Y	Absent		NYTCL-8082-LVI(7)
L1932554-09K	Amber 120ml unpreserved	B	7	7	4.6	Y	Absent		NYTCL-8081(7)
L1932554-09L	Amber 120ml unpreserved	B	7	7	4.6	Y	Absent		NYTCL-8081(7)
L1932554-09M	Amber 250ml unpreserved	B	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-09N	Amber 250ml unpreserved	B	7	7	4.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1932554-09O	Amber 250ml unpreserved	B	7	7	4.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L1932554-09P	Amber 250ml unpreserved	B	7	7	4.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days



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

Lab Number: L1932554
Report Date: 08/01/19

GLOSSARY

Acronyms

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

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: HAMILTON HILL II TA1 SITE
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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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

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

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

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: L1932554
Report Date: 08/01/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 122 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

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 its 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), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

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

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

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

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

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

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

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

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

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

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 7/24/19	ALPHA Job # L1932554																																																																																																																																																																																				
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Client Information Client: C.T. Mule Associates Address: 50 Century Hill Dr Latham, NY 12110 Phone: 518 786 7400 Fax: A.smith@CTMule.com Email: K.moline@CTMule.com		Project Manager: Kirk Moline ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																																																																			
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Other project specific requirements/comments: Please specify Metals or TAL.		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th>TCL VOC TIC</th> <th>TCL SVOC TIC</th> <th>TCL Pest</th> <th>TCL PCB</th> <th>TAL Metals</th> <th>incl. Mercury, hex. chrom., cyanide</th> <th>21 PFAS</th> <th>1,4 Dioxane</th> <th rowspan="2">Total Bottles</th> </tr> <tr> <th>Date</th> <th>Time</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>32554-01</td> <td>RI GP1-190723</td> <td>7/23/19</td> <td>0945</td> <td>GW</td> <td>KC</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> </tr> <tr> <td>-02</td> <td>RI GP2-190723</td> <td></td> <td>1050</td> <td>GW</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>48</td> </tr> <tr> <td>-03</td> <td>RI GP3-190723</td> <td></td> <td>1045</td> <td>GW</td> <td>KC</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>-04</td> <td>RI GP4-190723</td> <td></td> <td>1140</td> <td>GW</td> <td>KC</td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>-05</td> <td>RI GP5-190723</td> <td></td> <td>1230</td> <td>GW</td> <td>KC</td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td>5</td> </tr> <tr> <td>-06</td> <td>LTB01-190723</td> <td></td> <td></td> <td>Dist. water</td> <td>DA</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>3</td> </tr> <tr> <td>-07</td> <td>FTB01-190723</td> <td></td> <td>0940</td> <td>Blank water</td> <td>DA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>1</td> </tr> <tr> <td>-08</td> <td>EB01-190723</td> <td></td> <td>0930</td> <td>Dist. water</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>16</td> </tr> <tr> <td>-09</td> <td>FD01-190723</td> <td>7/23/19</td> <td></td> <td>GW</td> <td>DA</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>16</td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TCL VOC TIC	TCL SVOC TIC	TCL Pest	TCL PCB	TAL Metals	incl. Mercury, hex. chrom., cyanide	21 PFAS	1,4 Dioxane	Total Bottles	Date	Time										32554-01	RI GP1-190723	7/23/19	0945	GW	KC	X								3	-02	RI GP2-190723		1050	GW	DA	X	X	X	X	X	X	X	X	48	-03	RI GP3-190723		1045	GW	KC	X	X							5	-04	RI GP4-190723		1140	GW	KC		X			X	X			5	-05	RI GP5-190723		1230	GW	KC		X			X	X			5	-06	LTB01-190723			Dist. water	DA	X						X		3	-07	FTB01-190723		0940	Blank water	DA							X		1	-08	EB01-190723		0930	Dist. water	DA	X	X	X	X	X	X	X	X	16	-09	FD01-190723	7/23/19		GW	DA	X	X	X	X	X	X	X	X	16	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Container Type</th> <th>VA</th> <th>A</th> <th>A</th> <th>A</th> <th>P</th> <th>P</th> <th>P</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>Preservative</td> <td>B</td> <td>A</td> <td>A</td> <td>A</td> <td>C</td> <td>E/A</td> <td>O</td> <td>A</td> </tr> </tbody> </table>		Container Type	VA	A	A	A	P	P	P	A	Preservative	B	A	A	A	C	E/A	O	A	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection				Sample Matrix	Sampler's Initials			TCL VOC TIC	TCL SVOC TIC	TCL Pest	TCL PCB	TAL Metals	incl. Mercury, hex. chrom., cyanide	21 PFAS	1,4 Dioxane		Total Bottles																																																																																																																																																																						
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-06	LTB01-190723			Dist. water	DA	X						X		3																																																																																																																																																																											
-07	FTB01-190723		0940	Blank water	DA							X		1																																																																																																																																																																											
-08	EB01-190723		0930	Dist. water	DA	X	X	X	X	X	X	X	X	16																																																																																																																																																																											
-09	FD01-190723	7/23/19		GW	DA	X	X	X	X	X	X	X	X	16																																																																																																																																																																											
Container Type	VA	A	A	A	P	P	P	A																																																																																																																																																																																	
Preservative	B	A	A	A	C	E/A	O	A																																																																																																																																																																																	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Relinquished By: [Signature] Date/Time: 7/23/19 1318 Received By: [Signature] Date/Time: 7/23/19 1318 Received By: [Signature] Date/Time: 7/24/19 0055																																																																																																																																																																																			