APPENDIX 1

"Sample Data Summary Package"

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1422845
Client:	R&C Formation 171 Deer Park Ave., Suite 3 Babylon, NY 11702
ATTN:	Robert Casson
Phone:	(631) 482-9590
Project Name:	GROUNDWATER
Project Number:	Not Specified
Report Date:	10/06/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1422845-01	EN6-M	WATER	EAST NORTHPORT, NY	09/29/14 12:21	09/29/14
L1422845-02	EN6-S	WATER	EAST NORTHPORT, NY	09/29/14 12:43	09/29/14
L1422845-03	EN7-M	WATER	EAST NORTHPORT, NY	09/29/14 11:41	09/29/14
L1422845-04	EN9-M	WATER	EAST NORTHPORT, NY	09/29/14 11:06	09/29/14

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

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: Michelle M. Morris

Title: Technical Director/Representative

Date: 10/06/14

ORGANICS

VOLATILES

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-01
Client ID: EN6-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 10/01/14 13:36
Analyst: GT

Date Collected: 09/29/14 12:21
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	0.84	J	ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	2.0	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	1.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-01
Client ID: EN6-M
Sample Location: EAST NORTHPORT, NY

Date Collected: 09/29/14 12:21
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	1.0	0.30	1
Styrene[1]	ND		ug/l	1.0	0.30	1
Acetone[1]	ND		ug/l	10	1.8	1
Carbon disulfide[1]	ND		ug/l	5.0	0.90	1
2-Butanone[1]	ND		ug/l	10	2.2	1
Vinyl acetate[1]	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1
2-Hexanone[1]	ND		ug/l	10	2.5	1
Acrolein[1]	ND		ug/l	8.0	1.9	1
Acrylonitrile[1]	ND		ug/l	10	1.9	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1
1,4-Dioxane[1]	ND		ug/l	2000	490	1
Tert-Butyl Alcohol[1]	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	112		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	106		80-120

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-02
Client ID: EN6-S
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 10/01/14 14:11
Analyst: GT

Date Collected: 09/29/14 12:43
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	0.73	J	ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	1.4	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	1.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-02
Client ID: EN6-S
Sample Location: EAST NORTHPORT, NY

Date Collected: 09/29/14 12:43
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	1.0	0.30	1
Styrene[1]	ND		ug/l	1.0	0.30	1
Acetone[1]	ND		ug/l	10	1.8	1
Carbon disulfide[1]	ND		ug/l	5.0	0.90	1
2-Butanone[1]	ND		ug/l	10	2.2	1
Vinyl acetate[1]	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1
2-Hexanone[1]	ND		ug/l	10	2.5	1
Acrolein[1]	ND		ug/l	8.0	1.9	1
Acrylonitrile[1]	ND		ug/l	10	1.9	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1
1,4-Dioxane[1]	ND		ug/l	2000	490	1
Tert-Butyl Alcohol[1]	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	112		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	107		80-120

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-03
Client ID: EN7-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 10/01/14 14:45
Analyst: GT

Date Collected: 09/29/14 11:41
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	1.3	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	1.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-03
Client ID: EN7-M
Sample Location: EAST NORTHPORT, NY

Date Collected: 09/29/14 11:41
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	1.0	0.30	1
Styrene[1]	ND		ug/l	1.0	0.30	1
Acetone[1]	ND		ug/l	10	1.8	1
Carbon disulfide[1]	ND		ug/l	5.0	0.90	1
2-Butanone[1]	ND		ug/l	10	2.2	1
Vinyl acetate[1]	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1
2-Hexanone[1]	ND		ug/l	10	2.5	1
Acrolein[1]	ND		ug/l	8.0	1.9	1
Acrylonitrile[1]	ND		ug/l	10	1.9	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1
1,4-Dioxane[1]	ND		ug/l	2000	490	1
Tert-Butyl Alcohol[1]	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	111		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	105		80-120

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-04
Client ID: EN9-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 10/01/14 15:20
Analyst: GT

Date Collected: 09/29/14 11:06
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	ND		ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	1.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-04
Client ID: EN9-M
Sample Location: EAST NORTHPORT, NY

Date Collected: 09/29/14 11:06
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	1.0	0.30	1
Styrene[1]	ND		ug/l	1.0	0.30	1
Acetone[1]	ND		ug/l	10	1.8	1
Carbon disulfide[1]	ND		ug/l	5.0	0.90	1
2-Butanone[1]	ND		ug/l	10	2.2	1
Vinyl acetate[1]	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1
2-Hexanone[1]	ND		ug/l	10	2.5	1
Acrolein[1]	ND		ug/l	8.0	1.9	1
Acrylonitrile[1]	ND		ug/l	10	1.9	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1
1,4-Dioxane[1]	ND		ug/l	2000	490	1
Tert-Butyl Alcohol[1]	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	112		80-120
Fluorobenzene	108		80-120
4-Bromofluorobenzene	104		80-120

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 10/01/14 11:17
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG727065-8					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	2.1	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	1.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 10/01/14 11:17
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG727065-8					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	1.0	0.30
Styrene[1]	ND		ug/l	1.0	0.30
Acetone[1]	ND		ug/l	10	1.8
Carbon disulfide[1]	ND		ug/l	5.0	0.90
2-Butanone[1]	ND		ug/l	10	2.2
Vinyl acetate[1]	ND		ug/l	10	2.9
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4
2-Hexanone[1]	ND		ug/l	10	2.5
Acrolein[1]	ND		ug/l	8.0	1.9
Acrylonitrile[1]	ND		ug/l	10	1.9
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58
1,4-Dioxane[1]	ND		ug/l	2000	490
Tert-Butyl Alcohol[1]	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	114		80-120
Fluorobenzene	108		80-120
4-Bromofluorobenzene	105		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG727065-7								
Methylene chloride	108		-		70-111	-		30
1,1-Dichloroethane	93		-		78-116	-		30
Chloroform	99		-		86-111	-		30
Carbon tetrachloride	106		-		60-112	-		30
1,2-Dichloropropane	93		-		83-113	-		30
Dibromochloromethane	88		-		58-129	-		30
1,1,2-Trichloroethane	100		-		80-118	-		30
2-Chloroethylvinyl ether	99		-		69-124	-		30
Tetrachloroethene	102		-		80-126	-		30
Chlorobenzene	103		-		80-126	-		30
Trichlorofluoromethane	104		-		83-128	-		30
1,2-Dichloroethane	101		-		82-110	-		30
1,1,1-Trichloroethane	96		-		72-109	-		30
Bromodichloromethane	92		-		71-120	-		30
trans-1,3-Dichloropropene	93		-		73-106	-		30
cis-1,3-Dichloropropene	94		-		78-111	-		30
Bromoform	82		-		45-131	-		30
1,1,2,2-Tetrachloroethane	103		-		81-122	-		30
Benzene	101		-		84-116	-		30
Toluene	99		-		83-121	-		30
Ethylbenzene	103		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG727065-7								
Chloromethane	80		-		70-144	-		30
Bromomethane	85		-		63-141	-		30
Vinyl chloride	96		-		56-118	-		30
Chloroethane	93		-		74-130	-		30
1,1-Dichloroethene	100		-		77-116	-		30
trans-1,2-Dichloroethene	96		-		81-121	-		30
cis-1,2-Dichloroethene[1]	102		-		85-110	-		30
Trichloroethene	100		-		84-118	-		30
1,2-Dichlorobenzene	114		-		78-128	-		30
1,3-Dichlorobenzene	113		-		77-125	-		30
1,4-Dichlorobenzene	115		-		77-125	-		30
p/m-Xylene[1]	103		-		81-121	-		30
o-Xylene[1]	97		-		81-124	-		30
Styrene[1]	99		-		84-133	-		30
Acetone[1]	104		-		40-160	-		30
Carbon disulfide[1]	95		-		54-134	-		30
2-Butanone[1]	101		-		57-116	-		30
Vinyl acetate[1]	94		-		40-160	-		30
4-Methyl-2-pentanone[1]	95		-		79-125	-		30
2-Hexanone[1]	93		-		78-120	-		30
Acrolein[1]	93		-		40-160	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG727065-7								
Acrylonitrile[1]	98		-		66-123	-		30
Methyl tert butyl ether[1]	100		-		57-126	-		30
Dibromomethane[1]	99		-		65-126	-		30
1,4-Dioxane[1]	107		-		74-121	-		30
tert-Butyl Alcohol[1]	103		-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	96		-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	113				80-120
Fluorobenzene	107				80-120
4-Bromofluorobenzene	106				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

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): 01-04 QC Batch ID: WG727065-3 WG727065-4 QC Sample: L1422838-03 Client ID: MS Sample												
Methylene chloride	ND	20	21	105		22	108		70-111	5		30
1,1-Dichloroethane	ND	20	19	97		20	99		78-116	5		30
Chloroform	ND	20	20	102		21	104		86-111	5		30
Carbon tetrachloride	ND	20	23	115	Q	24	119	Q	60-112	4		30
1,2-Dichloropropane	ND	20	19	96		20	99		83-113	5		30
Dibromochloromethane	ND	20	18	89		18	91		58-129	0		30
1,1,2-Trichloroethane	ND	20	20	100		20	102		80-118	0		30
2-Chloroethylvinyl ether	ND	20	19	97		20	99		69-124	5		30
Tetrachloroethene	1.6	20	23	107		23	108		80-126	0		30
Chlorobenzene	ND	20	21	105		21	107		80-126	0		30
Trichlorofluoromethane	ND	20	23	113		23	116		83-128	0		30
1,2-Dichloroethane	ND	20	20	99		20	102		82-110	0		30
1,1,1-Trichloroethane	ND	20	20	103		21	105		72-109	5		30
Bromodichloromethane	ND	20	19	94		19	96		71-120	0		30
trans-1,3-Dichloropropene	ND	20	15	76		15	76		73-106	0		30
cis-1,3-Dichloropropene	ND	20	12	58	Q	12	58	Q	78-111	0		30
Bromoform	ND	20	16	80		17	83		45-131	6		30
1,1,2,2-Tetrachloroethane	ND	20	20	99		20	101		81-122	0		30
Benzene	ND	20	21	105		21	107		84-116	0		30
Toluene	ND	20	21	104		21	104		83-121	0		30
Ethylbenzene	ND	20	21	107		22	109		84-123	5		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

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): 01-04 QC Batch ID: WG727065-3 WG727065-4 QC Sample: L1422838-03 Client ID: MS Sample												
Chloromethane	ND	20	13	64	Q	13	67	Q	70-144	0		30
Bromomethane	ND	20	16	78		14	72		63-141	13		30
Vinyl chloride	ND	20	20	100		20	103		56-118	0		30
Chloroethane	ND	20	20	100		20	103		74-130	0		30
1,1-Dichloroethene	ND	20	21	106		22	108		77-116	5		30
trans-1,2-Dichloroethene	ND	20	20	99		20	101		81-121	0		30
cis-1,2-Dichloroethene[1]	ND	20	22	110		22	111	Q	85-110	0		30
Trichloroethene	0.34J	20	22	109		22	112		84-118	0		30
1,2-Dichlorobenzene	ND	20	21	107		22	110		78-128	5		30
1,3-Dichlorobenzene	ND	20	21	106		22	110		77-125	5		30
1,4-Dichlorobenzene	ND	20	22	108		22	110		77-125	0		30
p/m-Xylene[1]	ND	40	43	109		44	110		81-121	2		30
o-xylene[1]	ND	20	20	102		20	102		81-124	0		30
Styrene[1]	ND	20	20	103		21	105		84-133	5		30
Acetone[1]	ND	50	49	99		51	101		40-160	4		30
Carbon disulfide[1]	ND	20	20	103		21	105		54-134	5		30
2-Butanone[1]	ND	50	48	96		49	98		57-116	2		30
Vinyl acetate[1]	ND	40	35	88		36	89		40-160	3		30
4-Methyl-2-pentanone[1]	ND	50	46	93		47	93		79-125	2		30
2-Hexanone[1]	ND	50	45	89		45	91		78-120	0		30
Acrolein[1]	ND	40	ND	0	Q	ND	0	Q	40-160	NC		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

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): 01-04 QC Batch ID: WG727065-3 WG727065-4 QC Sample: L1422838-03 Client ID: MS Sample												
Acrylonitrile[1]	ND	40	37	94		39	97		66-123	5		30
Methyl tert butyl Ether[1]	ND	20	20	100		20	100		57-126	0		30
Dibromomethane[1]	ND	20	20	101		20	102		65-126	0		30
1,4-Dioxane[1]	ND	2000	2100	104		2200	113		74-121	5		30
Tert-Butyl Alcohol[1]	ND	100	97	0	Q	100	103		52-114	3		30
Tertiary-Amyl Methyl Ether[1]	ND	20	19	0	Q	19	0	Q	66-111	0		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	104		104		80-120
4-Bromofluorobenzene	108		107		80-120
Fluorobenzene	97		95		80-120
Fluorobenzene	106		106		80-120
Pentafluorobenzene	112		112		80-120
Pentafluorobenzene	100		98		80-120

METALS

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-01
Client ID: EN6-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 09/29/14 12:21
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.10	0.020	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Arsenic, Total	0.0027	J	mg/l	0.0050	0.0020	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Calcium, Total	31.		mg/l	0.10	0.030	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Chromium, Total	0.0038	J	mg/l	0.010	0.0020	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Iron, Total	0.076		mg/l	0.050	0.020	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Lead, Total	ND		mg/l	0.0100	0.0020	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Magnesium, Total	7.6		mg/l	0.10	0.010	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/30/14 14:14	09/30/14 20:24	EPA 7470A	1,7470A	AK
Potassium, Total	3.9		mg/l	2.5	0.40	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Sodium, Total	37.		mg/l	2.0	0.30	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC
Total Hardness by SM 2340B - Westborough Lab											
Hardness	110		mg/l	0.66	NA	1	10/03/14 10:28	10/04/14 09:43	EPA 3005A	1,6010C	BC

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-02
Client ID: EN6-S
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 09/29/14 12:43
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.054	J	mg/l	0.10	0.020	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Arsenic, Total	0.0031	J	mg/l	0.0050	0.0020	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Calcium, Total	13.		mg/l	0.10	0.030	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Chromium, Total	0.011		mg/l	0.010	0.0020	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Iron, Total	0.22		mg/l	0.050	0.020	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Lead, Total	ND		mg/l	0.0100	0.0020	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Magnesium, Total	5.6		mg/l	0.10	0.010	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/30/14 14:14	09/30/14 20:26	EPA 7470A	1,7470A	AK
Potassium, Total	2.3	J	mg/l	2.5	0.40	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Sodium, Total	39.		mg/l	2.0	0.30	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC
Total Hardness by SM 2340B - Westborough Lab											
Hardness	56.		mg/l	0.66	NA	1	10/03/14 10:28	10/04/14 09:46	EPA 3005A	1,6010C	BC

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-03
Client ID: EN7-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 09/29/14 11:41
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7.6		mg/l	0.10	0.020	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Arsenic, Total	0.0089		mg/l	0.0050	0.0020	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Calcium, Total	16.		mg/l	0.10	0.030	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Chromium, Total	0.0087	J	mg/l	0.010	0.0020	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Iron, Total	8.8		mg/l	0.050	0.020	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Lead, Total	0.0668		mg/l	0.0100	0.0020	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Magnesium, Total	4.0		mg/l	0.10	0.010	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/30/14 14:14	09/30/14 20:28	EPA 7470A	1,7470A	AK
Potassium, Total	8.8		mg/l	2.5	0.40	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Sodium, Total	5.7		mg/l	2.0	0.30	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC
Total Hardness by SM 2340B - Westborough Lab											
Hardness	56.		mg/l	0.66	NA	1	10/03/14 10:28	10/04/14 09:50	EPA 3005A	1,6010C	BC

Project Name:	GROUNDWATER	**Lab Number:**	L1422845
Project Number:	Not Specified	**Report Date:**	10/06/14

SAMPLE RESULTS

Lab ID:	L1422845-04	Date Collected:	09/29/14 11:06
Client ID:	EN9-M	Date Received:	09/29/14
Sample Location:	EAST NORTHPORT, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.10	0.020	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Arsenic, Total	0.0033	J	mg/l	0.0050	0.0020	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Calcium, Total	26.		mg/l	0.10	0.030	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Chromium, Total	ND		mg/l	0.010	0.0020	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Iron, Total	0.088		mg/l	0.050	0.020	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Lead, Total	ND		mg/l	0.0100	0.0020	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Magnesium, Total	13.		mg/l	0.10	0.010	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/30/14 14:14	09/30/14 20:30	EPA 7470A	1,7470A	AK
Potassium, Total	2.6		mg/l	2.5	0.40	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Sodium, Total	56.		mg/l	2.0	0.30	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC
Total Hardness by SM 2340B - Westborough Lab											
Hardness	120		mg/l	0.66	NA	1	10/03/14 10:28	10/04/14 09:54	EPA 3005A	1,6010C	BC

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG726664-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/30/14 14:14	09/30/14 20:02	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG727793-1										
Aluminum, Total	ND		mg/l	0.10	0.020	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Arsenic, Total	ND		mg/l	0.0050	0.0020	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Calcium, Total	ND		mg/l	0.10	0.030	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Chromium, Total	ND		mg/l	0.010	0.0020	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Iron, Total	0.048	J	mg/l	0.050	0.020	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Lead, Total	ND		mg/l	0.0100	0.0020	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Magnesium, Total	ND		mg/l	0.10	0.010	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Potassium, Total	ND		mg/l	2.5	0.40	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC
Sodium, Total	ND		mg/l	2.0	0.30	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Westborough Lab for sample(s): 01-04 Batch: WG727793-1										
Hardness	ND		mg/l	0.66	NA	1	10/03/14 10:28	10/04/14 09:23	1,6010C	BC

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG726664-2								
Mercury, Total	97		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG727793-2								
Aluminum, Total	110		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Cadmium, Total	108		-		80-120	-		
Calcium, Total	100		-		80-120	-		
Chromium, Total	110		-		80-120	-		
Iron, Total	110		-		80-120	-		
Lead, Total	104		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Potassium, Total	100		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-04 Batch: WG727793-2								
Hardness	101		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG726664-4 QC Sample: L1422738-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00479	96		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG727793-3 WG727793-4 QC Sample: L1422838-03 Client ID: MS Sample												
Aluminum, Total	0.13	2.	2.3	108		2.3	108		75-125	0		20
Arsenic, Total	ND	0.12	0.131	109		0.134	112		75-125	2		20
Cadmium, Total	ND	0.051	0.0537	105		0.0550	108		75-125	2		20
Calcium, Total	32.	10	40	80		41	90		75-125	2		20
Chromium, Total	ND	0.2	0.20	100		0.20	100		75-125	0		20
Iron, Total	0.24	1	1.2	96		1.3	106		75-125	8		20
Lead, Total	0.003J	0.51	0.516	101		0.528	104		75-125	2		20
Magnesium, Total	15.	10	24	90		24	90		75-125	0		20
Potassium, Total	2.5	10	13	105		13	105		75-125	0		20
Sodium, Total	55.	10	61	60	Q	63	80		75-125	3		20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG727793-3 WG727793-4 QC Sample: L1422838-03 Client ID: MS Sample												
Hardness	140	66.2	200	91		200	91		75-125	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG726664-3 QC Sample: L1422738-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-01
Client ID: EN6-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 09/29/14 12:21
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Bicarbonate	52.4		mg CaCO3/L	2.00	NA	1	-	09/30/14 09:11	30,2320B	SG
Solids, Total Dissolved	240		mg/l	10	3.6	1	-	10/03/14 12:05	30,2540C	DW
Chloride	72.		mg/l	1.0	0.20	1	-	10/02/14 12:39	30,4500CL-E	LA
Nitrogen, Ammonia	0.073	J	mg/l	0.075	0.021	1	09/30/14 14:00	09/30/14 22:14	30,4500NH3-BH	AT
Nitrogen, Nitrate	5.53		mg/l	0.100	0.015	1	-	10/01/14 08:01	30,4500NO3-F	A1
Sulfate	24.		mg/l	10	3.1	1	10/01/14 12:30	10/01/14 12:30	30,4500SO4-E	SP

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-02
Client ID: EN6-S
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 09/29/14 12:43
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Bicarbonate	15.0		mg CaCO3/L	2.00	NA	1	-	09/30/14 09:11	30,2320B	SG
Solids, Total Dissolved	170		mg/l	10	3.6	1	-	10/03/14 12:05	30,2540C	DW
Chloride	62.		mg/l	1.0	0.20	1	-	10/02/14 12:41	30,4500CL-E	LA
Nitrogen, Ammonia	0.070	J	mg/l	0.075	0.021	1	09/30/14 14:00	09/30/14 22:14	30,4500NH3-BH	AT
Nitrogen, Nitrate	4.82		mg/l	0.100	0.015	1	-	10/01/14 08:09	30,4500NO3-F	A1
Sulfate	27.		mg/l	10	3.1	1	10/01/14 12:30	10/01/14 12:30	30,4500SO4-E	SP

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-03
Client ID: EN7-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 09/29/14 11:41
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Bicarbonate	54.8		mg CaCO3/L	2.00	NA	1	-	09/30/14 09:11	30,2320B	SG
Solids, Total Dissolved	92.		mg/l	10	3.6	1	-	10/03/14 12:05	30,2540C	DW
Chloride	9.5		mg/l	1.0	0.20	1	-	10/02/14 12:42	30,4500CL-E	LA
Nitrogen, Ammonia	0.546		mg/l	0.075	0.021	1	09/30/14 14:00	09/30/14 22:15	30,4500NH3-BH	AT
Nitrogen, Nitrate	ND		mg/l	0.100	0.015	1	-	10/01/14 08:10	30,4500NO3-F	A1
Sulfate	ND		mg/l	10	3.1	1	10/01/14 12:30	10/01/14 12:30	30,4500SO4-E	SP

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

SAMPLE RESULTS

Lab ID: L1422845-04
Client ID: EN9-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 09/29/14 11:06
Date Received: 09/29/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Bicarbonate	38.1		mg CaCO3/L	2.00	NA	1	-	09/30/14 09:11	30,2320B	SG
Solids, Total Dissolved	300		mg/l	10	3.6	1	-	10/03/14 12:05	30,2540C	DW
Chloride	130		mg/l	10	2.0	10	-	10/02/14 13:22	30,4500CL-E	LA
Nitrogen, Ammonia	0.106		mg/l	0.075	0.021	1	09/30/14 14:00	09/30/14 22:16	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.560		mg/l	0.100	0.015	1	-	10/01/14 08:12	30,4500NO3-F	A1
Sulfate	17.		mg/l	10	3.1	1	10/01/14 12:30	10/01/14 12:30	30,4500SO4-E	SP

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analys
eneral Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG726638-1										
kalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	09/30/14 09:11	30,2320B	SG
eneral Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG726706-1										
trogen, Ammonia	ND		mg/l	0.075	0.021	1	09/30/14 14:00	09/30/14 21:59	30,4500NH3-BH	AT
eneral Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG726799-1										
trogen, Nitrate	ND		mg/l	0.100	0.015	1	-	10/01/14 03:54	30,4500NO3-F	A1
eneral Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG727004-1										
ılfate	ND		mg/l	10	3.1	1	10/01/14 12:30	10/01/14 12:30	30,4500SO4-E	SP
eneral Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG727368-1										
ıloride	0.20	J	mg/l	1.0	0.20	1	-	10/02/14 12:07	30,4500CL-E	LA
eneral Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG727737-1										
ılids, Total Dissolved	5.0	J	mg/l	10	3.6	1	-	10/03/14 12:05	30,2540C	DW

Lab Control Sample Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01-04		Batch: WG726706-2					
Nitrogen, Ammonia	106		-		80-120	-		20
General Chemistry - Westborough Lab	Associated sample(s): 01-04		Batch: WG726799-2					
Nitrogen, Nitrate	91		-		90-110	-		
General Chemistry - Westborough Lab	Associated sample(s): 01-04		Batch: WG727004-2					
Sulfate	95		-		84-121	-		
General Chemistry - Westborough Lab	Associated sample(s): 01-04		Batch: WG727368-2					
Chloride	107		-		90-110	-		
General Chemistry - Westborough Lab	Associated sample(s): 01-04		Batch: WG727737-2					
Solids, Total Dissolved	94		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

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): 01-04 QC Batch ID: WG726706-4 QC Sample: L1422838-03 Client ID: MS Sample												
Nitrogen, Ammonia	0.123	4	3.86	93		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG726799-4 QC Sample: L1422838-03 Client ID: MS Sample												
Nitrogen, Nitrate	1.59	4	4.45	72	Q	-	-		83-113	-		17
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG727004-4 QC Sample: L1422838-03 Client ID: MS Sample												
Sulfate	43.	200	230	95		-	-		55-147	-		14
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG727368-4 QC Sample: L1422838-03 Client ID: MS Sample												
Chloride	93.	20	110	85		-	-		58-140	-		7

Lab Duplicate Analysis
Batch Quality Control

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG726638-2 QC Sample: L1422838-03 Client ID: DUP Sample						
Alkalinity, Bicarbonate	82.7	80.0	mg CaCO3/L	3		
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG726706-3 QC Sample: L1422838-03 Client ID: DUP Sample						
Nitrogen, Ammonia	0.123	0.115	mg/l	7		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG726799-3 QC Sample: L1422838-03 Client ID: DUP Sample						
Nitrogen, Nitrate	1.59	1.59	mg/l	0		17
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG727004-3 QC Sample: L1422838-03 Client ID: DUP Sample						
Sulfate	43.	45	mg/l	5		14
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG727368-3 QC Sample: L1422838-03 Client ID: DUP Sample						
Chloride	93.	93	mg/l	0		7
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG727737-3 QC Sample: L1422838-07 Client ID: DUP Sample						
Solids, Total Dissolved	160	170	mg/l	6		17

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1422845-01A	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-01B	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-01C	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-01D	Plastic 250ml unpreserved	A	N/A	2.4	Y	Absent	ALK-HCO3-2320(14)
L1422845-01E	Plastic 250ml unpreserved	A	7	2.4	Y	Absent	CL-4500(28),NO3-4500(2)
L1422845-01F	Plastic 500ml H2SO4 preserved	A	<2	2.4	Y	Absent	NH3-4500(28)
L1422845-01G	Plastic 500ml HNO3 preserved	A	<2	2.4	Y	Absent	AS-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),HARDT(180),K-TI(180),NA-TI(180)
L1422845-01H	Plastic 1000ml unpreserved	A	7	2.4	Y	Absent	SO4-4500(28),TDS-2540(7)
L1422845-02A	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-02B	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-02C	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-02D	Plastic 250ml unpreserved	A	N/A	2.4	Y	Absent	ALK-HCO3-2320(14)
L1422845-02E	Plastic 250ml unpreserved	A	7	2.4	Y	Absent	CL-4500(28),NO3-4500(2)
L1422845-02F	Plastic 500ml H2SO4 preserved	A	<2	2.4	Y	Absent	NH3-4500(28)
L1422845-02G	Plastic 500ml HNO3 preserved	A	<2	2.4	Y	Absent	AS-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),HARDT(180),K-TI(180),NA-TI(180)
L1422845-02H	Plastic 1000ml unpreserved	A	7	2.4	Y	Absent	SO4-4500(28),TDS-2540(7)
L1422845-03A	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-03B	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-03C	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-03D	Plastic 250ml unpreserved	A	N/A	2.4	Y	Absent	ALK-HCO3-2320(14)
L1422845-03E	Plastic 250ml unpreserved	A	7	2.4	Y	Absent	CL-4500(28),NO3-4500(2)

*Values in parentheses indicate holding time in days

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1422845-03F	Plastic 500ml H2SO4 preserved	A	<2	2.4	Y	Absent	NH3-4500(28)
L1422845-03G	Plastic 500ml HNO3 preserved	A	<2	2.4	Y	Absent	AS-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),HARDT(180),K-TI(180),NA-TI(180)
L1422845-03H	Plastic 1000ml unpreserved	A	7	2.4	Y	Absent	SO4-4500(28),TDS-2540(7)
L1422845-04A	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-04B	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-04C	Vial Na2S2O3 preserved	A	N/A	2.4	Y	Absent	624(3)
L1422845-04D	Plastic 250ml unpreserved	A	N/A	2.4	Y	Absent	ALK-HCO3-2320(14)
L1422845-04E	Plastic 250ml unpreserved	A	7	2.4	Y	Absent	CL-4500(28),NO3-4500(2)
L1422845-04F	Plastic 500ml H2SO4 preserved	A	<2	2.4	Y	Absent	NH3-4500(28)
L1422845-04G	Plastic 500ml HNO3 preserved	A	<2	2.4	Y	Absent	AS-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),HARDT(180),K-TI(180),NA-TI(180)
L1422845-04H	Plastic 1000ml unpreserved	A	7	2.4	Y	Absent	SO4-4500(28),TDS-2540(7)

Container Comments

L1422845-01G

L1422845-02G

L1422845-03G

L1422845-04G

*Values in parentheses indicate holding time in days

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

GLOSSARY

Acronyms

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NI - Not Ignitable.

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.

Footnotes

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

Terms

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.

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GROUNDWATER	**Lab Number:**	L1422845
Project Number:	Not Specified	**Report Date:**	10/06/14

Data Qualifiers

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: GROUNDWATER
Project Number: Not Specified

Lab Number: L1422845
Report Date: 10/06/14

REFERENCES

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

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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

Last revised April 15, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/29/14 | ALPHA Job #: L1422845

Client Information

Client: R&C Formation
Address: 171 Deer Park Avenue, Suite 3
Babylon, NY 11702
Phone: 516-797-7330
Fax: 516-797-7339
Email: rcasson@rcformationltd.com
☑ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Ground Water
Project Location: East Northport NY
Project #:
Project Manager:
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 10/6/14 Time:

Report Information — ☐ FAX ☒ ADEx
Data Deliverables — ☒ EMAIL ☐ Add'l Deliverables
Billing Information — ☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: NYCRR Part 360 | Criteria:

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Groundwater Program
Total Metals - Al, As, Cr, Cd, Ca, Fe, Pb, Mg, Hg, K, Na

Please Provide EQuIS

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done ☑ Not Needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC-624	NH3-Ammonia	Alkalinity/Bicarbonate	Nitrate, Chloride, TDS	Hardness & Total Metals	Sulfate	Sample Specific Comments	TOTAL # BOTTLES
22845-1	EN6-M	9/24/14	1221	GW		☒	☒	☒	☒	☒	☒		8
-2	EN6-S		1243			☒	☒	☒	☒	☒	☒		8
-3	EN7-M		1141			☒	☒	☒	☒	☒	☒		8
-4	EN9-M		1106			☒	☒	☒	☒	☒	☒		8
						☒	☒	☒	☒	☒	☒		8
						☒	☒	☒	☒	☒	☒		8
						☒	☒	☒	☒	☒	☒		8
						☒	☒	☒	☒	☒	☒		8
						☒	☒	☒	☒	☒	☒		8
						☒	☒	☒	☒	☒	☒		8
Container Type		V	P	P	P	P	P	-	-	-	-	-	-
Preservative		H	D	A	A	C	A	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 30-JUL-07)

Relinquished By:	Date/Time	Received By:	Date/Time
	9/29/14 1515		9/29/14 1515
	9-29-14 1830	Tom Tolter	9-29-14 1830
Tom Tolter	9-29-14 2300		9/29/14 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.