

APPENDIX 1

“Sample Data Summary Package”

APPENDIX 1

“Sample Data Summary Package”



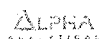
ANALYTICAL REPORT

Lab Number:	L1408389
Client:	R&C Formation 171 Deer Park Ave., Suite 3 Babylon, NY 11702
ATTN:	Robert Casson
Phone:	(631) 482-9590
Project Name:	EAST NORTHPORT G.W.
Project Number:	Not Specified
Report Date:	04/28/14

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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: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1408389-01	EN6-M	EAST NORTHPORT, NY	04/21/14 12:21
L1408389-02	EN6-S	EAST NORTHPORT, NY	04/21/14 12:40
L1408389-03	EN7-M	EAST NORTHPORT, NY	04/21/14 11:46
L1408389-04	EN9-M	EAST NORTHPORT, NY	04/21/14 11:01

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

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.

Volatile Organics

The WG684482-1 LCS recoveries for methylene chloride (114%), 1,1-dichloroethane (123%), chloroform (115%), carbon tetrachloride (113%), 1,2-dichloropropane (124%), 1,2-dichloroethane (121%), 1,1,1-trichloroethane (114%), cis-1,2-dichloroethene (111%), 2-butanone (142%), acrylonitrile (135%), methyl tert butyl ether (130%), tertiary-amyl methyl ether (118%), chlorobenzene (75%), and 1,3-dichlorobenzene (75%), associated with L1408389-01 through -04, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

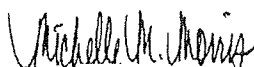
The WG684482-1 LCS recoveries, associated with L1408389-01 through -04, are above the acceptance criteria for 1,4-dioxane (174%) and tert-butyl alcohol (163%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

Nitrogen, Ammonia

L1408389-03 has an elevated detection limit due to the dilution required by the sample matrix.

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: 04/28/14

ORGANICS

VOLATILES

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-01
 Client ID: EN6-M
 Sample Location: EAST NORTHPORT, NY
 Matrix: Water
 Analytical Method: 5,624
 Analytical Date: 04/22/14 18:10
 Analyst: GT

Date Collected: 04/21/14 12:21
 Date Received: 04/21/14
 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	0.43	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
1,1,1,2-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	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
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: EAST NORTHPORT G.W.

Project Number: Not Specified

Lab Number: L1408389

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-01
Client ID: EN6-M
Sample Location: EAST NORTHPORT, NY

Date Collected: 04/21/14 12:21
Date Received: 04/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	105		80-120
Fluorobenzene	111		80-120
4-Bromofluorobenzene	97		80-120



Project Name: EAST NORTHPORT G.W.

Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-02
Client ID: EN6-S
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 18:45
Analyst: GT

Date Collected: 04/21/14 12:40
Date Received: 04/21/14
Field Prep: Not Specified

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Contains data for Volatile Organics by GC/MS - Westborough Lab, listing various compounds like Methylene chloride, 1,1-Dichloroethane, etc., with their respective results and limits.

Project Name: EAST NORTHPORT G.W.

Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-02
Client ID: EN6-S
Sample Location: EAST NORTHPORT, NY

Date Collected: 04/21/14 12:40
Date Received: 04/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	107		80-120
Fluorobenzene	111		80-120
4-Bromofluorobenzene	98		80-120

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-03
Client ID: EN7-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 19:20
Analyst: GT

Date Collected: 04/21/14 11:46
Date Received: 04/21/14
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
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1



Project Name: EAST NORTHPORT G.W.

Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-03

Date Collected: 04/21/14 11:46

Client ID: EN7-M

Date Received: 04/21/14

Sample Location: EAST NORTHPORT, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	105		80-120
Fluorobenzene	111		80-120
4-Bromofluorobenzene	98		80-120

Project Name: EAST NORTHPORT G.W.

Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-04
Client ID: EN9-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 19:55
Analyst: GT

Date Collected: 04/21/14 11:01
Date Received: 04/21/14
Field Prep: Not Specified

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Contains data for Volatile Organics by GC/MS - Westborough Lab, listing various compounds like Methylene chloride, 1,1-Dichloroethane, etc., with their respective results and values.

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-04
 Client ID: EN9-M
 Sample Location: EAST NORTHPORT, NY

Date Collected: 04/21/14 11:01
 Date Received: 04/21/14
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	106		80-120
Fluorobenzene	110		80-120
4-Bromofluorobenzene	99		80-120

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
 Analytical Date: 04/22/14 11:12
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG684482-2					
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	ND		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
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
 Analytical Date: 04/22/14 11:12
 Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG684482-2					
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	101		80-120
Fluorobenzene	111		80-120
4-Bromofluorobenzene	83		80-120



Lab Control Sample Analysis
Batch Quality Control

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG684482-1								
Methylene chloride	114	Q	-	-	70-111	-	-	30
1,1-Dichloroethane	123	Q	-	-	78-116	-	-	30
Chloroform	115	Q	-	-	86-111	-	-	30
Carbon tetrachloride	113	Q	-	-	60-112	-	-	30
1,2-Dichloropropane	124	Q	-	-	83-113	-	-	30
Dibromochloromethane	93	-	-	-	58-129	-	-	30
1,1,2-Trichloroethane	95	-	-	-	80-118	-	-	30
2-Chloroethylvinyl ether	93	-	-	-	69-124	-	-	30
Tetrachloroethene	85	-	-	-	80-126	-	-	30
Chlorobenzene	75	Q	-	-	80-126	-	-	30
Trichlorofluoromethane	116	-	-	-	83-128	-	-	30
1,2-Dichloroethane	121	Q	-	-	82-110	-	-	30
1,1,1-Trichloroethane	114	Q	-	-	72-109	-	-	30
Bromodichloromethane	94	-	-	-	71-120	-	-	30
trans-1,3-Dichloropropene	95	-	-	-	73-106	-	-	30
cis-1,3-Dichloropropene	93	-	-	-	78-111	-	-	30
Bromoform	80	-	-	-	45-131	-	-	30
1,1,1,2-Tetrachloroethane	91	-	-	-	81-122	-	-	30
Benzene	116	-	-	-	84-116	-	-	30
Toluene	92	-	-	-	83-121	-	-	30
Ethylbenzene	84	-	-	-	84-123	-	-	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

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: WG684482-1								
Chloromethane	120		-		70-144	-		30
Bromomethane	72		-		63-141	-		30
Vinyl chloride	112		-		56-118	-		30
Chloroethane	127		-		74-130	-		30
1,1-Dichloroethene	116		-		77-116	-		30
trans-1,2-Dichloroethene	115		-		81-121	-		30
cis-1,2-Dichloroethene ¹	111	Q	-		85-110	-		30
Trichloroethene	108		-		84-118	-		30
1,2-Dichlorobenzene	83		-		78-128	-		30
1,3-Dichlorobenzene	75	Q	-		77-125	-		30
1,4-Dichlorobenzene	78		-		77-125	-		30
p/m-Xylene ¹	86		-		81-121	-		30
o-Xylene ¹	81		-		81-124	-		30
Styrene ¹	87		-		84-133	-		30
Acetone ¹	148		-		40-160	-		30
Carbon disulfide ¹	116		-		54-134	-		30
2-Butanone ¹	142	Q	-		57-116	-		30
Vinyl acetate ¹	130		-		40-160	-		30
4-Methyl-2-pentanone ¹	108		-		79-125	-		30
2-Hexanone ¹	114		-		78-120	-		30
Acrolein ¹	120		-		40-160	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: EAST NORTHPORT G.W.

Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

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: WG684482-1								
Acrylonitrile ¹	135	Q	-	-	66-123	-	-	30
Methyl tert butyl ether ¹	130	Q	-	-	57-126	-	-	30
Dibromomethane ¹	114	-	-	-	65-126	-	-	30
1,4-Dioxane ¹	174	Q	-	-	74-121	-	-	30
tert-Butyl Alcohol ¹	163	Q	-	-	52-114	-	-	30
Tertiary-Amyl Methyl Ether ¹	118	Q	-	-	66-111	-	-	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	102	-	-	-	80-120
Fluorobenzene	109	-	-	-	80-120
4-Bromofluorobenzene	84	-	-	-	80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

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: WG684482-3 WG684482-4 QC Sample: L1408387-02 Client ID: MS												
Methylene chloride	ND	20	24	121	Q	23	114	Q	70-111	4		30
1,1-Dichloroethane	ND	20	26	133	Q	25	125	Q	78-116	4		30
Chloroform	ND	20	25	124	Q	23	117	Q	86-111	8		30
Carbon tetrachloride	ND	20	25	125	Q	24	118	Q	60-112	4		30
1,2-Dichloropropane	ND	20	26	132	Q	24	122	Q	83-113	8		30
Dibromochloromethane	ND	20	19	97		19	94		58-129	0		30
1,1,2-Trichloroethane	ND	20	20	101		19	96		80-118	5		30
2-Chloroethylvinyl ether	ND	20	27	137	Q	18	90		69-124	40	Q	30
Tetrachloroethene	1.3J	20	20	100		20	98		80-126	0		30
Chlorobenzene	ND	20	16	81		16	79	Q	80-126	0		30
Trichlorofluoromethane	ND	20	26	131	Q	24	123		83-128	8		30
1,2-Dichloroethane	ND	20	25	126	Q	24	122	Q	82-110	4		30
1,1,1-Trichloroethane	ND	20	25	125	Q	23	117	Q	72-109	8		30
Bromodichloromethane	ND	20	20	100		18	90		71-120	11		30
trans-1,3-Dichloropropene	ND	20	18	89		17	84		73-106	6		30
cis-1,3-Dichloropropene	ND	20	15	73	Q	13	66	Q	78-111	14		30
Bromoform	ND	20	17	83		16	81		45-131	6		30
1,1,1,2-Tetrachloroethane	ND	20	19	97		18	92		81-122	5		30
Benzene	ND	20	25	125	Q	23	116		84-116	8		30
Toluene	ND	20	20	99		19	94		83-121	5		30
Ethylbenzene	ND	20	19	94		18	90		84-123	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: EAST NORTHPORT G.W.

Project Number: Not Specified

Lab Number: L1408389

Report Date: 04/28/14

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: WG684482-3 WG684482-4 QC Sample: L1408387-02 Client ID: MS												
Chloromethane	ND	20	25	127		24	118		70-144	4		30
Bromomethane	ND	20	11	54	Q	12	58	Q	63-141	9		30
Vinyl chloride	ND	20	25	125	Q	24	120	Q	56-118	4		30
Chloroethane	ND	20	27	136	Q	26	129		74-130	4		30
1,1-Dichloroethene	ND	20	25	126	Q	24	120	Q	77-116	4		30
trans-1,2-Dichloroethene	ND	20	25	123	Q	23	116		81-121	8		30
cis-1,2-Dichloroethene ¹	0.39J	20	25	126	Q	24	122	Q	85-110	4		30
Trichloroethene	ND	20	24	120	Q	22	112		84-118	9		30
1,2-Dichlorobenzene	ND	20	17	83		16	82		78-128	6		30
1,3-Dichlorobenzene	ND	20	15	77		15	76	Q	77-125	0		30
1,4-Dichlorobenzene	ND	20	16	82		16	80		77-125	0		30
p/m-Xylene ¹	ND	40	40	100		39	97		81-121	3		30
o-xylene ¹	ND	20	18	91		18	91		81-124	0		30
Styrene ¹	ND	20	20	99		19	94		84-133	5		30
Acetone ¹	ND	50	74	149		74	148		40-160	0		30
Carbon disulfide ¹	ND	20	26	128		25	124		54-134	4		30
2-Butanone ¹	ND	50	70	141	Q	68	135	Q	57-116	3		30
Vinyl acetate ¹	ND	40	51	128		51	127		40-160	0		30
4-Methyl-2-pentanone ¹	ND	50	59	118		52	104		79-125	13		30
2-Hexanone ¹	ND	50	59	118		55	111		78-120	7		30
Acrolein ¹	ND	40	4.5J	0	Q	5.6J	0	Q	40-160	22		30

Matrix Spike Analysis

Batch Quality Control

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	RPD Qual Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG684482-3 WG684482-4 QC Sample: L1408387-02 Client ID: MS											
Sample											
Acrylonitrile ¹	ND	40	55	138	Q	52	131	Q	66-123	6	30
Methyl tert butyl Ether ¹	ND	20	27	133	Q	26	130	Q	57-126	4	30
Dibromomethane ¹	ND	20	24	122		23	117		65-126	4	30
1,4-Dioxane ¹	ND	2000	2400	122	Q	3000	151	Q	74-121	22	30
Tert-Butyl Alcohol ¹	ND	100	130	130	Q	140	135	Q	52-114	7	30
Tertiary-Amyl Methyl Ether ¹	ND	20	24	121	Q	24	119	Q	66-111	0	30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
4-Bromofluorobenzene	85		87		80-120
Fluorobenzene	109		108		80-120
Pentafluorobenzene	101		102		80-120

METALS

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

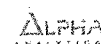
Lab Number: L1408389
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-01
Client ID: EN6-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 04/21/14 12:21
Date Received: 04/21/14
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	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Arsenic, Total	0.0043	J	mg/l	0.0050	0.0020	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Calcium, Total	28.		mg/l	0.10	0.030	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Chromium, Total	0.0024	J	mg/l	0.010	0.0020	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Iron, Total	0.047	J	mg/l	0.050	0.020	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Lead, Total	0.0029	J	mg/l	0.0100	0.0020	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Magnesium, Total	6.9		mg/l	0.10	0.010	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/22/14 08:18	04/22/14 13:22	EPA 7470A	1,7470A	AK
Potassium, Total	2.6		mg/l	2.5	0.40	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Sodium, Total	36.		mg/l	2.0	0.30	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT
Total Hardness by SM 2340B - Westborough Lab											
Hardness	100		mg/l	0.66	NA	1	04/24/14 09:04	04/24/14 21:04	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-02
 Client ID: EN6-S
 Sample Location: EAST NORTHPORT, NY
 Matrix: Water

Date Collected: 04/21/14 12:40
 Date Received: 04/21/14
 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	0.12		mg/l	0.10	0.020	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Arsenic, Total	0.0037	J	mg/l	0.0050	0.0020	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Calcium, Total	14.		mg/l	0.10	0.030	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Chromium, Total	0.34		mg/l	0.010	0.0020	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Iron, Total	2.4		mg/l	0.050	0.020	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Lead, Total	0.0024	J	mg/l	0.0100	0.0020	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Magnesium, Total	6.2		mg/l	0.10	0.010	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/22/14 08:18	04/22/14 13:24	EPA 7470A	1,7470A	AK
Potassium, Total	2.3	J	mg/l	2.5	0.40	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Sodium, Total	35.		mg/l	2.0	0.30	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT
Total Hardness by SM 2340B - Westborough Lab											
Hardness	61.		mg/l	0.66	NA	1	04/24/14 09:04	04/24/14 21:08	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

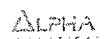
Lab Number: L1408389
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-03
 Client ID: EN7-M
 Sample Location: EAST NORTHPORT, NY
 Matrix: Water

Date Collected: 04/21/14 11:46
 Date Received: 04/21/14
 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	0.77		mg/l	0.10	0.020	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Arsenic, Total	0.0053		mg/l	0.0050	0.0020	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Calcium, Total	8.9		mg/l	0.10	0.030	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Chromium, Total	0.0028	J	mg/l	0.010	0.0020	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Iron, Total	0.55		mg/l	0.050	0.020	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Lead, Total	0.0088	J	mg/l	0.0100	0.0020	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Magnesium, Total	1.2		mg/l	0.10	0.010	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/22/14 08:18	04/22/14 13:25	EPA 7470A	1,7470A	AK
Potassium, Total	2.0	J	mg/l	2.5	0.40	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Sodium, Total	6.4		mg/l	2.0	0.30	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT
Total Hardness by SM 2340B - Westborough Lab											
Hardness	27.		mg/l	0.66	NA	1	04/24/14 09:04	04/24/14 21:11	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

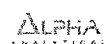
Lab Number: L1408389
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-04
 Client ID: EN9-M
 Sample Location: EAST NORTHPORT, NY
 Matrix: Water

Date Collected: 04/21/14 11:01
 Date Received: 04/21/14
 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	0.073	J	mg/l	0.10	0.020	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Arsenic, Total	0.0029	J	mg/l	0.0050	0.0020	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Calcium, Total	27.		mg/l	0.10	0.030	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Chromium, Total	0.0031	J	mg/l	0.010	0.0020	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Iron, Total	0.12		mg/l	0.050	0.020	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Lead, Total	0.0026	J	mg/l	0.0100	0.0020	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Magnesium, Total	14.		mg/l	0.10	0.010	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/22/14 08:18	04/22/14 13:31	EPA 7470A	1,7470A	AK
Potassium, Total	2.7		mg/l	2.5	0.40	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Sodium, Total	68.		mg/l	2.0	0.30	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT
Total Hardness by SM 2340B - Westborough Lab											
Hardness	120		mg/l	0.66	NA	1	04/24/14 09:04	04/24/14 23:24	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT G.W.

Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

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: WG684006-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/22/14 08:18	04/22/14 13:09	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: WG684732-1										
Aluminum, Total	ND		mg/l	0.10	0.020	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Arsenic, Total	0.0024	J	mg/l	0.0050	0.0020	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Calcium, Total	0.035	J	mg/l	0.10	0.030	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Chromium, Total	ND		mg/l	0.010	0.0020	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Cobalt, Total	ND		mg/l	0.050	0.020	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Copper, Total	0.0026	J	mg/l	0.0100	0.0020	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Magnesium, Total	ND		mg/l	0.10	0.010	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Potassium, Total	ND		mg/l	2.5	0.40	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT
Sodium, Total	ND		mg/l	2.0	0.30	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT

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: WG684732-1										
Hardness	ND		mg/l	0.66	NA	1	04/24/14 09:04	04/24/14 19:59	1,6010C	TT

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG684006-2								
Mercury, Total	90		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG684732-2								
Aluminum, Total	105		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Cadmium, Total	105		-		80-120	-		
Calcium, Total	100		-		80-120	-		
Chromium, Total	95		-		80-120	-		
Iron, Total	100		-		80-120	-		
Lead, Total	105		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Potassium, Total	110		-		80-120	-		
Sodium, Total	110		-		80-120	-		
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-04 Batch: WG684732-2								
Hardness	100		-		80-120	-		

**Matrix Spike Analysis
Batch Quality Control**

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG684006-4 QC Sample: L1408252-13 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00491	98	-	-	-	-	75-125	-	-	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG684732-4 QC Sample: L1408022-01 Client ID: MS Sample												
Aluminum, Total	ND	2	2.1	105	-	-	-	-	75-125	-	-	20
Arsenic, Total	0.0043J	0.12	0.128	107	-	-	-	-	75-125	-	-	20
Cadmium, Total	ND	0.051	0.0526	103	-	-	-	-	75-125	-	-	20
Calcium, Total	61.	10	70	90	-	-	-	-	75-125	-	-	20
Chromium, Total	ND	0.2	0.19	95	-	-	-	-	75-125	-	-	20
Iron, Total	ND	1	1.0	100	-	-	-	-	75-125	-	-	20
Lead, Total	ND	0.51	0.530	104	-	-	-	-	75-125	-	-	20
Magnesium, Total	11.	10	21	100	-	-	-	-	75-125	-	-	20
Potassium, Total	4.3	10	15	107	-	-	-	-	75-125	-	-	20
Sodium, Total	12.	10	22	100	-	-	-	-	75-125	-	-	20
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG684732-4 QC Sample: L1408022-01 Client ID: MS Sample												
Hardness	200	66.2	260	91	-	-	-	-	75-125	-	-	20

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1408389
 Report Date: 04/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG684006-3 QC Sample: L1408252-13 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG684732-3 QC Sample: L1408022-01 Client ID: DUP Sample						
Arsenic, Total	0.0043J	0.0046J	mg/l	NC		20
Calcium, Total	61.	58	mg/l	5		20
Iron, Total	ND	ND	mg/l	NC		20
Magnesium, Total	11.	11	mg/l	0		20
Potassium, Total	4.3	4.1	mg/l	5		20
Sodium, Total	12.	11	mg/l	9		20

INORGANICS & MISCELLANEOUS

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-01
Client ID: EN6-M
Sample Location: EAST NORTHPORT, NY
Matrix: Water

Date Collected: 04/21/14 12:21
Date Received: 04/21/14
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	53.5		mg CaCO3/L	2.00	NA	1	-	04/25/14 08:12	30,2320B	SD
Solids, Total Dissolved	260		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	67.		mg/l	1.0	0.20	1	-	04/22/14 13:21	30,4500CL-E	LA
Nitrogen, Ammonia	0.030	J	mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:29	30,4500NH3-BH	AT
Nitrogen, Nitrate	5.91		mg/l	0.100	0.015	1	-	04/23/14 01:16	30,4500NO3-F	DB
Sulfate	25.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD



Project Name: EAST NORTHPORT G.W.

Project Number: Not Specified

Lab Number: L1408389

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-02

Client ID: EN6-S

Sample Location: EAST NORTHPORT, NY

Matrix: Water

Date Collected: 04/21/14 12:40

Date Received: 04/21/14

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - Westborough Lab										
Alkalinity, Bicarbonate	14.6		mg CaCO3/L	2.00	NA	1	-	04/25/14 08:12	30,2320B	SD
solids, Total Dissolved	200		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	51.		mg/l	1.0	0.20	1	-	04/22/14 13:22	30,4500CL-E	LA
Nitrogen, Ammonia	0.029	J	mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:30	30,4500NH3-BH	AT
Nitrogen, Nitrate	6.36		mg/l	0.100	0.015	1	-	04/23/14 01:33	30,4500NO3-F	DB
Sulfate	33.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-03
 Client ID: EN7-M
 Sample Location: EAST NORTHPORT, NY
 Matrix: Water

Date Collected: 04/21/14 11:46
 Date Received: 04/21/14
 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	34.2		mg CaCO3/L	2.00	NA	1	-	04/25/14 08:12	30,2320B	SD
solids, Total Dissolved	83.		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
chloride	4.3		mg/l	1.0	0.20	1	-	04/22/14 13:23	30,4500CL-E	LA
nitrogen, Ammonia	ND		mg/l	0.150	0.042	2	04/22/14 12:22	04/23/14 20:31	30,4500NH3-BH	AT
nitrogen, Nitrate	0.438		mg/l	0.100	0.015	1	-	04/23/14 01:34	30,4500NO3-F	DB
sulfate	ND		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

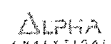
Lab Number: L1408389
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408389-04
 Client ID: EN9-M
 Sample Location: EAST NORTHPORT, NY
 Matrix: Water

Date Collected: 04/21/14 11:01
 Date Received: 04/21/14
 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	37.8		mg CaCO3/L	2.00	NA	1	-	04/25/14 08:12	30,2320B	SD
solids, Total Dissolved	370		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	160		mg/l	10	2.0	10	-	04/22/14 14:32	30,4500CL-E	LA
Nitrogen, Ammonia	0.029	J	mg/l	0.075	0.021	1	04/22/14 21:50	04/23/14 21:03	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.946		mg/l	0.100	0.015	1	-	04/23/14 01:35	30,4500NO3-F	DB
Sulfate	18.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD



Project Name: EAST NORTHPORT G.W.

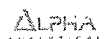
Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analys
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG684090-1										
Chloride	0.38	J	mg/l	1.0	0.20	1	-	04/22/14 12:43	30,4500CL-E	LA
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG684175-1										
Nitrogen, Ammonia	ND		mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:27	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG684294-1										
Nitrogen, Nitrate	0.063	J	mg/l	0.100	0.015	1	-	04/23/14 01:55	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG684310-1										
Nitrogen, Ammonia	ND		mg/l	0.075	0.021	1	04/22/14 21:50	04/23/14 21:00	30,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG685025-1										
Alkalis, Total Dissolved	ND		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG685106-1										
Sulfate	ND		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG685224-1										
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	04/25/14 08:12	30,2320B	SD



Lab Control Sample Analysis

Batch Quality Control

Project Name: EAST NORTHPORT G.W.

Lab Number: L1408389

Project Number: Not Specified

Report Date: 04/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG684090-2								
Chloride	107		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG684175-2								
Nitrogen, Ammonia	90		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG684294-2								
Nitrogen, Nitrate	103		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG684310-2								
Nitrogen, Ammonia	92		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG685025-2								
Solids, Total Dissolved	95		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG685106-2								
Sulfate	100		-		84-121	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

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: WG684090-4 QC Sample: L1408387-02 Client ID: MS Sample												
Chloride	98.	20	120	110	-	-	-	-	58-140	-	-	7
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG684175-4 QC Sample: L1408387-02 Client ID: MS Sample												
Nitrogen, Ammonia	0.092	4	3.88	95	-	-	-	-	80-120	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG684294-4 QC Sample: L1408345-04 Client ID: MS Sample												
Nitrogen, Nitrate	0.490	4	3.55	89	-	-	-	-	83-113	-	-	17
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG684310-4 QC Sample: L1408389-04 Client ID: EN9-M												
Nitrogen, Ammonia	0.029J	4	3.83	96	-	-	-	-	80-120	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG685106-3 QC Sample: L1408387-02 Client ID: MS Sample												
Sulfate	46.	100	150	103	-	-	-	-	55-147	-	-	14

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Duplicate Analysis
 Batch Quality Control

Lab Number: L1408389
 Report Date: 04/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01-04	QC Batch ID: WG684090-3	QC Sample: L1408387-02	Client ID: DUP Sample		
Chloride	98.	98	mg/l	0		7
General Chemistry - Westborough Lab	Associated sample(s): 01-03	QC Batch ID: WG684175-3	QC Sample: L1408387-02	Client ID: DUP Sample		
Nitrogen, Ammonia	0.092	0.065J	mg/l	NC		20
General Chemistry - Westborough Lab	Associated sample(s): 01-04	QC Batch ID: WG684294-3	QC Sample: L1408463-02	Client ID: DUP Sample		
Nitrogen, Nitrate	ND	ND	mg/l	NC		17
General Chemistry - Westborough Lab	Associated sample(s): 04	QC Batch ID: WG684310-3	QC Sample: L1408389-04	Client ID: EN9-M		
Nitrogen, Ammonia	0.029J	0.030J	mg/l	NC		20
General Chemistry - Westborough Lab	Associated sample(s): 01-04	QC Batch ID: WG685025-3	QC Sample: L1408369-01	Client ID: DUP Sample		
Solids, Total Dissolved	140	140	mg/l	0		17
General Chemistry - Westborough Lab	Associated sample(s): 01-04	QC Batch ID: WG685106-4	QC Sample: L1408387-02	Client ID: DUP Sample		
Sulfate	46.	47	mg/l	2		14
General Chemistry - Westborough Lab	Associated sample(s): 01-04	QC Batch ID: WG685224-2	QC Sample: L1408463-02	Client ID: DUP Sample		
Alkalinity, Bicarbonate	103.	103	mg CaCO3/L	0		

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler
 B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1408389-01A	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-01B	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-01C	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-01D	Plastic 1000ml unpreserved	B	7	2.2	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408389-01E	Plastic 250ml unpreserved	B	7	2.2	Y	Absent	SO4-4500(28)
L1408389-01F	Plastic 500ml H2SO4 preserved	B	<2	2.2	Y	Absent	NH3-4500(28)
L1408389-01G	Plastic 500ml HNO3 preserved	B	<2	2.2	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)
L1408389-01H	Plastic 250ml unpreserved	B	N/A	2.2	Y	Absent	ALK-HCO3-2320(14)
L1408389-02A	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-02B	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-02C	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-02D	Plastic 1000ml unpreserved	B	7	2.2	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408389-02E	Plastic 250ml unpreserved	B	7	2.2	Y	Absent	SO4-4500(28)
L1408389-02F	Plastic 500ml H2SO4 preserved	B	<2	2.2	Y	Absent	NH3-4500(28)
L1408389-02G	Plastic 500ml HNO3 preserved	B	<2	2.2	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)
L1408389-02H	Plastic 250ml unpreserved	B	N/A	2.2	Y	Absent	ALK-HCO3-2320(14)
L1408389-03A	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-03B	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-03C	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-03D	Plastic 1000ml unpreserved	B	7	2.2	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: EAST NORTHPORT G.W.
 Project Number: Not Specified

Lab Number: L1408389
 Report Date: 04/28/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(+)
L1408389-03E	Plastic 250ml unpreserved	B	7	2.2	Y	Absent	SO4-4500(28)
L1408389-03F	Plastic 500ml H2SO4 preserved	B	<2	2.2	Y	Absent	NH3-4500(28)
L1408389-03G	Plastic 500ml HNO3 preserved	B	<2	2.2	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)
L1408389-03H	Plastic 250ml unpreserved	B	N/A	2.2	Y	Absent	ALK-HCO3-2320(14)
L1408389-04A	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-04B	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-04C	Vial Na2S2O3 preserved	B	N/A	2.2	Y	Absent	624(3)
L1408389-04D	Plastic 1000ml unpreserved	B	7	2.2	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408389-04E	Plastic 250ml unpreserved	B	7	2.2	Y	Absent	SO4-4500(28)
L1408389-04F	Plastic 500ml H2SO4 preserved	B	<2	2.2	Y	Absent	NH3-4500(28)
L1408389-04G	Plastic 500ml HNO3 preserved	B	<2	2.2	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)
L1408389-04H	Plastic 250ml unpreserved	B	N/A	2.2	Y	Absent	ALK-HCO3-2320(14)

*Values in parentheses indicate holding time in days

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

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

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.
- 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.

Report Format: DU Report with 'J' Qualifiers

Project Name: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

Data Qualifiers

- 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: EAST NORTHPORT G.W.
Project Number: Not Specified

Lab Number: L1408389
Report Date: 04/28/14

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 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

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, SM4500CI-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.



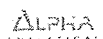
ANALYTICAL REPORT

Lab Number:	L1408463
Client:	R&C Formation 171 Deer Park Ave., Suite 3 Babylon, NY 11702
ATTN:	Robert Casson
Phone:	(631) 482-9590
Project Name:	EAST NORTH PORT G.W
Project Number:	Not Specified
Report Date:	04/29/14

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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: EAST NORTH PORT G.W
Project Number: Not Specified

Lab Number: L1408463
Report Date: 04/29/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1408463-01	CW1-M	EAST NORTH PORT NY	04/22/14 11:44
L1408463-02	CW1-S	EAST NORTH PORT NY	04/22/14 12:05
L1408463-03	CW2-M	EAST NORTH PORT NY	04/22/14 09:46
L1408463-04	CW4-M	EAST NORTH PORT NY	04/22/14 09:06
L1408463-05	CW4-S	EAST NORTH PORT NY	04/22/14 08:36
L1408463-06	EN1-M	EAST NORTH PORT NY	04/22/14 12:49
L1408463-07	EN10-M	EAST NORTH PORT NY	04/22/14 11:56
L1408463-08	GW-DUP	EAST NORTH PORT NY	04/22/14 00:00
L1408463-09	TB-1	EAST NORTH PORT NY	04/22/14 00:00
L1408463-10	FB	EAST NORTH PORT NY	04/22/14 10:15

Project Name: EAST NORTH PORT G.W
Project Number: Not Specified

Lab Number: L1408463
Report Date: 04/29/14

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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: EAST NORTH PORT G.W
Project Number: Not Specified

Lab Number: L1408463
Report Date: 04/29/14

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.

Volatile Organics

The WG684482-5 LCS recoveries for methylene chloride (116%), 1,1-dichloroethane (125%), chloroform (117%), carbon tetrachloride (115%), 1,2-dichloropropane (114%), 1,2-dichloroethane (120%), 1,1,1-trichloroethane (116%), benzene (120%), 1,1-dichloroethene (118%), cis-1,2-dichloroethene (116%), 1,3-dichlorobenzene (76%), 2-butanone (126%), tert-butyl alcohol (119%), and tertiary-amyl methyl ether (112%), associated with L1408463-03 through -09, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

The WG684820-1 LCS recoveries for methylene chloride (116%), 1,1-dichloroethane (125%), chloroform (117%), carbon tetrachloride (115%), 1,2-dichloropropane (114%), 1,2-dichloroethane (120%), 1,1,1-trichloroethane (116%), benzene (120%), 1,1-dichloroethene (118%), cis-1,2-dichloroethene (116%), 1,3-dichlorobenzene (76%), 2-butanone (126%), tert-butyl alcohol (119%), and tertiary-amyl methyl ether (112%), associated with L1408463-01, -02, and -10, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

The WG684820-3 MS recoveries for methylene chloride (MS at 122%), 1,1-dichloroethane (133%/121%), chloroform (126%/113%), carbon tetrachloride (126%/115%), 1,2-dichloropropane (133%/121%), trichlorofluoromethane (MS at 131%), chlorobenzene (MSD at 75%), 1,2-dichloroethane (127%/116%), 1,1,1-trichloroethane (126%/113%), cis-1,3-Dichloropropene (73%/60%), benzene (MS at 127%), bromomethane (MS at 60%), vinyl chloride (MS at 125%), chloroethane (MS at 137%), 1,1-dichloroethene (MS at 128%), trans-1,2-dichloroethene (MS at 125%), cis-1,2-dichloroethene (127%/123%), trichloroethene (MS at 120%), 1,2-dichlorobenzene (MSD at 76%), 1,3-dichlorobenzene (MSD at 71%), 1,4-dichlorobenzene (MSD at 75%), 2-butanone (129%/136%), acrylonitrile (131%/136%), methyl tert butyl ether (136%/135%), tert-butyl alcohol (MS at 116%), and tertiary-amyl methyl ether (120%/120%), performed on L1408463-02, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

The WG684820-3/-4 MS/MSD recoveries, performed on L1408463-02, are below the acceptance criteria for

Project Name: EAST NORTH PORT G.W
Project Number: Not Specified

Lab Number: L1408463
Report Date: 04/29/14

Case Narrative (continued)

acrolein (0%/0%) due to the concentration of this compound falling below the reported detection limit.

The WG684820-4 MSD recovery, performed on L1408463-02, is above the acceptance criteria for tert-butyl alcohol (145%); however, the associated LCS recovery is within overall method allowances.

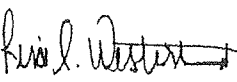
The WG684820-4 MSD recovery, performed on L1408463-02, is above the acceptance criteria for 1,4-dioxane (163%); however, the associated LCS recovery had recovered over QC limits. All samples covered by this MSD are ND for this compound. The MS passed QC requirements for this compound.

The WG684820-3/-4 MS/MSD RPDs, performed on L1408463-02, are above the acceptance criteria for acrolein (61%) and 1,4-dioxane (32%).

Total Metals

The WG684452-3/-4 MS/MSD recoveries for iron (0%/0%), performed on L1408463-02, do not apply because the sample concentrations are greater than four times the spike amount added.

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:  Lisa Westerlind

Title: Technical Director/Representative

Date: 04/29/14

ORGANICS