

ANALYTICAL REPORT

Lab Number:	L1408387
Client:	R&C Formation 171 Deer Park Ave., Suite 3 Babylon, NY 11702
ATTN:	Robert Casson
Phone:	(631) 482-9590
Project Name:	EAST NORTHPORT S.W.
Project Number:	Not Specified
Report Date:	04/28/14

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

**Project Name:** EAST NORTHPORT S.W.  
**Project Number:** Not Specified

**Lab Number:** L1408387  
**Report Date:** 04/28/14

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1408387-01	SW-1	EAST NORTHPORT, NY	04/21/14 09:15
L1408387-02	SW-2	EAST NORTHPORT, NY	04/21/14 09:50
L1408387-03	SW-3	EAST NORTHPORT, NY	04/21/14 09:40
L1408387-04	SW-4	EAST NORTHPORT, NY	04/21/14 09:30
L1408387-05	SW-5	EAST NORTHPORT, NY	04/21/14 10:20
L1408387-06	SW-6	EAST NORTHPORT, NY	04/21/14 10:05
L1408387-07	SW-7	EAST NORTHPORT, NY	04/21/14 08:50
L1408387-08	SW-DUP	EAST NORTHPORT, NY	04/21/14 00:00
L1408387-09	TB	EAST NORTHPORT, NY	04/21/14 00:00

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

Lab Number: L1408387  
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 S.W.  
Project Number: Not Specified

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### Case Narrative (continued)

#### Report Submission

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

#### Volatile Organics

The WG684482-1 LCS recoveries for methylene chloride (114%), 1,1-dichloroethane (123%), chloroform (115%), carbon tetrachloride (113%), 1,2-dichloropropane (124%), chlorobenzene (75%), 1,2-dichloroethane (121%), 1,1,1-trichloroethane (114%), cis-1,2-dichloroethene (111%), 1,3-dichlorobenzene (75%), 2-butanone (142%), acrylonitrile (135%), methyl tert butyl ether (130%), and tertiary-amyl methyl ether (118%), associated with L1408387-01 through -09, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

The WG684482-1 LCS recoveries, associated with L1408387-01 through -09, 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.

The WG684482-3/-4 MS/MSD recoveries for methylene chloride (121%/114%), 1,1-dichloroethane (133%/125%), chloroform (124%/117%), carbon tetrachloride (125%/118%), 1,2-dichloropropane (132%/122%), 2-chloroethylvinyl ether (MS at 137%), chlorobenzene (MSD at 79%), trichlorofluoromethane (MS at 131%), 1,2-dichloroethane (126%/122%), 1,1,1-trichloroethane (125%/117%), cis-1,3-dichloropropene (73%/66%), benzene (MS at 125%), bromomethane (54%/58%), vinyl chloride (125%/120%), chloroethane (MS at 136%), 1,1-dichloroethene (126%/120%), trans-1,2-dichloroethene (MS at 123%), cis-1,2-dichloroethene (126%/122%), trichloroethene (MS at 120%), 1,3-dichlorobenzene (MSD at 76%), 2-butanone (141%/135%), acrylonitrile (138%/131%), methyl tert butyl ether (133%/130%), tert-butyl alcohol (130%/135%), and tertiary-amyl methyl ether (121%/119%), performed on L1408387-02, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method. In addition, the associated MS/MSD RPD is above the acceptance criteria for 2-chloroethylvinyl ether (40%).

The WG684482-3/-4 MS/MSD recoveries, performed on L1408387-02, are below the acceptance criteria for acrolein (0%/0%) due to the concentration of this compound falling below the reported detection limit.

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

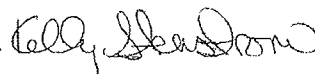
Lab Number: L1408387  
Report Date: 04/28/14

Case Narrative (continued)

The WG684482-3/-4 MS/MSD recoveries, performed on L1408387-02, are above the acceptance criteria for 1,4-dioxane (122%/151%).

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

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 04/28/14

# ORGANICS

# VOLATILES

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

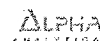
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-01
Client ID: SW-1
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 12:22
Analyst: GT

Date Collected: 04/21/14 09:15
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 S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-01

Date Collected: 04/21/14 09:15

Client ID: SW-1

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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		80-120
Fluorobenzene	109		80-120
4-Bromofluorobenzene	93		80-120

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

Lab Number: L1408387  
 Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-02  
 Client ID: SW-2  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water  
 Analytical Method: 5,624  
 Analytical Date: 04/22/14 12:57  
 Analyst: GT

Date Collected: 04/21/14 09:50  
 Date Received: 04/21/14  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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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	1.3	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	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 <sup>†</sup>	0.39	J	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 S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-02

Date Collected: 04/21/14 09:50

Client ID: SW-2

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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		80-120
Fluorobenzene	109		80-120
4-Bromofluorobenzene	97		80-120

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

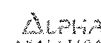
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-03
Client ID: SW-3
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 14:41
Analyst: GT

Date Collected: 04/21/14 09:40
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 chemical compounds and their detection results.



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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-03  
 Client ID: SW-3  
 Sample Location: EAST NORTHPORT, NY

Date Collected: 04/21/14 09:40  
 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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	1600	J	ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	110		80-120
4-Bromofluorobenzene	97		80-120

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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-04  
 Client ID: SW-4  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water  
 Analytical Method: 5,624  
 Analytical Date: 04/22/14 15:16  
 Analyst: GT

Date Collected: 04/21/14 09:30  
 Date Received: 04/21/14  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	2.2		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 <sup>1</sup>	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 S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-04

Date Collected: 04/21/14 09:30

Client ID: SW-4

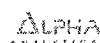
Date Received: 04/21/14

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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		80-120
Fluorobenzene	110		80-120
4-Bromofluorobenzene	96		80-120



Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

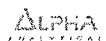
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-05
Client ID: SW-5
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 15:51
Analyst: GT

Date Collected: 04/21/14 10:20
Date Received: 04/21/14
Field Prep: Not Specified

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Rows include various organic compounds like Methylene chloride, 1,1-Dichloroethane, Chloroform, etc.





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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-05  
 Client ID: SW-5  
 Sample Location: EAST NORTHPORT, NY

Date Collected: 04/21/14 10:20  
 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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		80-120
Fluorobenzene	109		80-120
4-Bromofluorobenzene	97		80-120

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-06
Client ID: SW-6
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 16:26
Analyst: GT

Date Collected: 04/21/14 10:05
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 chemical compounds and their detection results.



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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-06  
 Client ID: SW-6  
 Sample Location: EAST NORTHPORT, NY

Date Collected: 04/21/14 10:05  
 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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	111		80-120
4-Bromofluorobenzene	100		80-120

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-07
Client ID: SW-7
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 17:00
Analyst: GT

Date Collected: 04/21/14 08:50
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 S.W.  
 Project Number: Not Specified

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-07  
 Client ID: SW-7  
 Sample Location: EAST NORTHPORT, NY

Date Collected: 04/21/14 08:50  
 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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	110		80-120
4-Bromofluorobenzene	94		80-120

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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-08  
 Client ID: SW-DUP  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water  
 Analytical Method: 5,624  
 Analytical Date: 04/22/14 17:35  
 Analyst: GT

Date Collected: 04/21/14 00:00  
 Date Received: 04/21/14  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	0.31	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	1.2	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	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 S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-08

Date Collected: 04/21/14 00:00

Client ID: SW-DUP

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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	110		80-120
4-Bromofluorobenzene	97		80-120

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

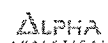
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-09
Client ID: TB
Sample Location: EAST NORTHPORT, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 04/22/14 11:47
Analyst: GT

Date Collected: 04/21/14 00:00
Date Received: 04/21/14
Field Prep: Not Specified

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Contains a list of Volatile Organics by GC/MS - Westborough Lab with various chemical names and their corresponding results.





Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-09

Date Collected: 04/21/14 00:00

Client ID: TB

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 <sup>1</sup>	ND		ug/l	2.0	0.66	1
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30	1
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30	1
Acetone <sup>1</sup>	ND		ug/l	10	1.8	1
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90	1
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2	1
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9	1
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4	1
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5	1
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9	1
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9	1
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58	1
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490	1
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0	1
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND		ug/l	20	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		80-120
Fluorobenzene	111		80-120
4-Bromofluorobenzene	92		80-120

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

Lab Number: L1408387  
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): 01-09 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	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 S.W.  
 Project Number: Not Specified

Lab Number: L1408387  
 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): 01-09 Batch: WG684482-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene <sup>1</sup>	ND		ug/l	2.0	0.66
o-xylene <sup>1</sup>	ND		ug/l	1.0	0.30
Xylene (Total) <sup>1</sup>	ND		ug/l	1.0	0.30
Styrene <sup>1</sup>	ND		ug/l	1.0	0.30
Acetone <sup>1</sup>	ND		ug/l	10	1.8
Carbon disulfide <sup>1</sup>	ND		ug/l	5.0	0.90
2-Butanone <sup>1</sup>	ND		ug/l	10	2.2
Vinyl acetate <sup>1</sup>	ND		ug/l	10	2.9
4-Methyl-2-pentanone <sup>1</sup>	ND		ug/l	10	2.4
2-Hexanone <sup>1</sup>	ND		ug/l	10	2.5
Acrolein <sup>1</sup>	ND		ug/l	8.0	1.9
Acrylonitrile <sup>1</sup>	ND		ug/l	10	1.9
Methyl tert butyl Ether <sup>1</sup>	ND		ug/l	10	0.58
1,4-Dioxane <sup>1</sup>	ND		ug/l	2000	490
Tert-Butyl Alcohol <sup>1</sup>	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether <sup>1</sup>	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 S.W.

Project Number: Not Specified

Lab Number: L1408387

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): 01-09 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
1,1,2,2-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 S.W.  
Project Number: Not Specified

Lab Number: L1408387  
Report Date: 04/28/14

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 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 <sup>1</sup>	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 <sup>1</sup>	86		-		81-121	-		30
o-Xylene <sup>1</sup>	81		-		81-124	-		30
Styrene <sup>1</sup>	87		-		84-133	-		30
Acetone <sup>1</sup>	148		-		40-160	-		30
Carbon disulfide <sup>1</sup>	116		-		54-134	-		30
2-Butanone <sup>1</sup>	142	Q	-		57-116	-		30
Vinyl acetate <sup>1</sup>	130		-		40-160	-		30
4-Methyl-2-pentanone <sup>1</sup>	108		-		79-125	-		30
2-Hexanone <sup>1</sup>	114		-		78-120	-		30
Acrolein <sup>1</sup>	120		-		40-160	-		30

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: EAST NORTHPORT S.W.

Project Number: Not Specified

Lab Number: L1408387

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): 01-09 Batch: WG684482-1								
Acrylonitrile <sup>1</sup>	135	Q	-	-	66-123	-	-	30
Methyl tert butyl ether <sup>1</sup>	130	Q	-	-	57-126	-	-	30
Dibromomethane <sup>1</sup>	114	-	-	-	65-126	-	-	30
1,4-Dioxane <sup>1</sup>	174	Q	-	-	74-121	-	-	30
tert-Butyl Alcohol <sup>1</sup>	163	Q	-	-	52-114	-	-	30
Tertiary-Amyl Methyl Ether <sup>1</sup>	118	Q	-	-	66-111	-	-	30

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

**Matrix Spike Analysis**  
Batch Quality Control

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

Lab Number: L1408387  
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): 01-09 QC Batch ID: WG684482-3 WG684482-4 QC Sample: L1408387-02 Client ID: SW-2												
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 S.W.  
Project Number: Not Specified

Lab Number: L1408387  
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): 01-09 QC Batch ID: WG684482-3 WG684482-4 QC Sample: L1408387-02 Client ID: SW-2												
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 <sup>1</sup>	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 <sup>1</sup>	ND	40	40	100		39	97		81-121	3		30
o-xylene <sup>1</sup>	ND	20	18	91		18	91		81-124	0		30
Styrene <sup>1</sup>	ND	20	20	99		19	94		84-133	5		30
Acetone <sup>1</sup>	ND	50	74	149		74	148		40-160	0		30
Carbon disulfide <sup>1</sup>	ND	20	26	128		25	124		54-134	4		30
2-Butanone <sup>1</sup>	ND	50	70	141	Q	68	135	Q	57-116	3		30
Vinyl acetate <sup>1</sup>	ND	40	51	128		51	127		40-160	0		30
4-Methyl-2-pentanone <sup>1</sup>	ND	50	59	118		52	104		79-125	13		30
2-Hexanone <sup>1</sup>	ND	50	59	118		55	111		78-120	7		30
Acrolein <sup>1</sup>	ND	40	4.5J	0	Q	5.6J	0	Q	40-160	22		30



## Matrix Spike Analysis

Batch Quality Control

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

Lab Number: L1408387  
 Report Date: 04/28/14

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>RPD Qual</i>	<i>RPD Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG684482-3 WG684482-4 QC Sample: L1408387-02 Client ID: SW-2												
Acrylonitrile <sup>1</sup>	ND	40	55	138	Q	52	131	Q	66-123	6		30
Methyl tert butyl Ether <sup>1</sup>	ND	20	27	133	Q	26	130	Q	57-126	4		30
Dibromomethane <sup>1</sup>	ND	20	24	122		23	117		65-126	4		30
1,4-Dioxane <sup>1</sup>	ND	2000	2400	122	Q	3000	151	Q	74-121	22		30
Tert-Butyl Alcohol <sup>1</sup>	ND	100	130	130	Q	140	135	Q	52-114	7		30
Tertiary-Amyl Methyl Ether <sup>1</sup>	ND	20	24	121	Q	24	119	Q	66-111	0		30

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

## METALS

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-01

Date Collected: 04/21/14 09:15

Client ID: SW-1

Date Received: 04/21/14

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 Hardness by SM 2340B - Westborough Lab											
Hardness	83.		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 14:21	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-02

Date Collected: 04/21/14 09:50

Client ID: SW-2

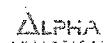
Date Received: 04/21/14

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 Hardness by SM 2340B - Westborough Lab											
Hardness	130		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 13:16	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-03

Date Collected: 04/21/14 09:40

Client ID: SW-3

Date Received: 04/21/14

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 Hardness by SM 2340B - Westborough Lab											
Hardness	87.		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 14:25	EPA 3005A	1,6010C	TT



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

Lab Number: L1408387  
Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-04  
Client ID: SW-4  
Sample Location: EAST NORTHPORT, NY  
Matrix: Water

Date Collected: 04/21/14 09:30  
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 Hardness by SM 2340B - Westborough Lab											
Hardness	120		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 14:29	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-05

Date Collected: 04/21/14 10:20

Client ID: SW-5

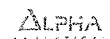
Date Received: 04/21/14

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 Hardness by SM 2340B - Westborough Lab											
Hardness	96.		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 14:32	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-06

Date Collected: 04/21/14 10:05

Client ID: SW-6

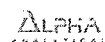
Date Received: 04/21/14

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 Hardness by SM 2340B - Westborough Lab											
Hardness	78.		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 14:36	EPA 3005A	1,6010C	TT





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

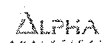
Lab Number: L1408387  
Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-07  
Client ID: SW-7  
Sample Location: EAST NORTHPORT, NY  
Matrix: Water

Date Collected: 04/21/14 08:50  
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 Hardness by SM 2340B - Westborough Lab											
Hardness	1600		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 14:40	EPA 3005A	1,6010C	TT



**Project Name:** EAST NORTHPORT S.W.  
**Project Number:** Not Specified

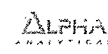
**Lab Number:** L1408387  
**Report Date:** 04/28/14

**SAMPLE RESULTS**

**Lab ID:** L1408387-08  
**Client ID:** SW-DUP  
**Sample Location:** EAST NORTHPORT, NY  
**Matrix:** Water

**Date Collected:** 04/21/14 00:00  
**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 Hardness by SM 2340B - Westborough Lab											
Hardness	87.		mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 14:44	EPA 3005A	1,6010C	TT



Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

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 Hardness by SM 2340B - Westborough Lab for sample(s): 01-08 Batch: WG684011-1									
Hardness	ND	mg/l	0.66	NA	1	04/22/14 08:02	04/22/14 12:58	1,6010C	TT

#### Prep Information

Digestion Method: EPA 3005A

# Lab Control Sample Analysis

Batch Quality Control

Project Name: EAST NORTHPORT S.W.

Project Number: Not Specified

Lab Number: L1408387

Report Date: 04/28/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-08 Batch: WG684011-2								
Hardness	101				80-120			

**Matrix Spike Analysis**  
Batch Quality Control

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

Lab Number: L1408387  
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	RPD Qual	RPD Limits
Total Hardness by SM 2340B - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG684011-3 WG684011-4 QC Sample: L1408387-02 Client ID: SW-2												
Hardness	130	66.2	190	91		190	91		75-125	0		20

# **INORGANICS & MISCELLANEOUS**

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

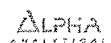
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-01  
Client ID: SW-1  
Sample Location: EAST NORTHPORT, NY  
Matrix: Water

Date Collected: 04/21/14 09:15  
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	35.0		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
Solids, Total Dissolved	220		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	70.		mg/l	1.0	0.20	1	-	04/22/14 13:08	30,4500CL-E	LA
Nitrogen, Ammonia	0.081		mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:32	30,4500NH3-BH	AT
Nitrogen, Nitrate	3.46		mg/l	0.100	0.015	1	-	04/23/14 00:42	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 S.W.  
 Project Number: Not Specified

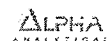
Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-02  
 Client ID: SW-2  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water

Date Collected: 04/21/14 09:50  
 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	74.0		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
Alkalinity, Total Dissolved	320		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	98.		mg/l	5.0	1.0	5	-	04/22/14 14:28	30,4500CL-E	LA
Nitrogen, Ammonia	0.092		mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:33	30,4500NH3-BH	AT
Nitrogen, Nitrate	1.95		mg/l	0.100	0.015	1	-	04/23/14 00:43	30,4500NO3-F	DB
Sulfate	46.		mg/l	20	6.2	2	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD





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

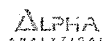
Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-03  
 Client ID: SW-3  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water

Date Collected: 04/21/14 09:40  
 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	31.3		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
Solids, Total Dissolved	220		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	70.		mg/l	1.0	0.20	1	-	04/22/14 13:09	30,4500CL-E	LA
Nitrogen, Ammonia	0.107		mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:46	30,4500NH3-BH	AT
Nitrogen, Nitrate	4.83		mg/l	0.100	0.015	1	-	04/23/14 00:45	30,4500NO3-F	DB
Sulfate	28.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD



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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-04  
 Client ID: SW-4  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water

Date Collected: 04/21/14 09:30  
 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	44.1		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
Alkalinity, Total Dissolved	330		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	110		mg/l	10	2.0	10	-	04/22/14 13:11	30,4500CL-E	LA
Nitrogen, Ammonia	0.032	J	mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:49	30,4500NH3-BH	AT
Nitrogen, Nitrate	4.13		mg/l	0.100	0.015	1	-	04/23/14 00:51	30,4500NO3-F	DB
Sulfate	34.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-05

Date Collected: 04/21/14 10:20

Client ID: SW-5

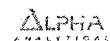
Date Received: 04/21/14

Sample Location: EAST NORTHPORT, NY

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - Westborough Lab										
Alkalinity, Bicarbonate	51.0		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
Alkalinity, Total Dissolved	260		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Alkalinity, Chloride	89.		mg/l	1.0	0.20	1	-	04/22/14 13:12	30,4500CL-E	LA
Ammonia, Nitrogen	0.091		mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:50	30,4500NH3-BH	AT
Nitrate, Nitrogen	2.46		mg/l	0.100	0.015	1	-	04/23/14 00:52	30,4500NO3-F	DB
Sulfate	31.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD



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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-06  
 Client ID: SW-6  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water

Date Collected: 04/21/14 10:05  
 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	30.6		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
solids, Total Dissolved	440		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
chloride	220		mg/l	10	2.0	10	-	04/22/14 13:14	30,4500CL-E	LA
Nitrogen, Ammonia	0.030	J	mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:51	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.290		mg/l	0.100	0.015	1	-	04/23/14 00:52	30,4500NO3-F	DB
Sulfate	20.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

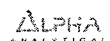
Report Date: 04/28/14

SAMPLE RESULTS

Lab ID: L1408387-07  
Client ID: SW-7  
Sample Location: EAST NORTHPORT, NY  
Matrix: Water

Date Collected: 04/21/14 08:50  
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	83.1		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
solids, Total Dissolved	14000		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
chloride	4400		mg/l	100	20.	100	-	04/22/14 13:17	30,4500CL-E	LA
Nitrogen, Ammonia	0.083		mg/l	0.075	0.021	1	04/22/14 12:22	04/23/14 20:52	30,4500NH3-BH	AT
Nitrogen, Nitrate	0.915		mg/l	0.100	0.015	1	-	04/23/14 00:53	30,4500NO3-F	DB
Sulfate	1200		mg/l	500	160	50	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD



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

Lab Number: L1408387  
 Report Date: 04/28/14

**SAMPLE RESULTS**

Lab ID: L1408387-08  
 Client ID: SW-DUP  
 Sample Location: EAST NORTHPORT, NY  
 Matrix: Water

Date Collected: 04/21/14 00:00  
 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	31.0		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
Alkalinity, Total Dissolved	200		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
Chloride	70.		mg/l	1.0	0.20	1	-	04/22/14 13:17	30,4500CL-E	LA
Nitrogen, Ammonia	0.028	J	mg/l	0.075	0.021	1	04/22/14 21:50	04/23/14 21:05	30,4500NH3-BH	AT
Nitrogen, Nitrate	4.86		mg/l	0.100	0.015	1	-	04/23/14 00:54	30,4500NO3-F	DB
Sulfate	29.		mg/l	10	3.1	1	04/25/14 10:10	04/25/14 10:10	30,4500SO4-E	SD

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

Lab Number: L1408387  
 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): 01-08 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): 01-07 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): 01-08 Batch: WG684295-1										
Nitrogen, Nitrate	0.088	J	mg/l	0.100	0.015	1	-	04/22/14 23:52	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 08 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): 01-08 Batch: WG684574-1										
Alkalinity, Bicarbonate	ND		mg CaCO3/L	2.00	NA	1	-	04/23/14 08:29	30,2320B	SD
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG685026-1										
Acids, Total Dissolved	ND		mg/l	10	3.6	1	-	04/25/14 10:50	30,2540C	DW
General Chemistry - Westborough Lab for sample(s): 01-08 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

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: EAST NORTHPORT S.W.

Project Number: Not Specified

Lab Number: L1408387

Report Date: 04/28/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG684090-2								
Chloride	107		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG684175-2								
Nitrogen, Ammonia	90		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG684295-2								
Nitrogen, Nitrate	101		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG684310-2								
Nitrogen, Ammonia	92		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG685026-2								
Solids, Total Dissolved	95		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG685106-2								
Sulfate	100		-		84-121	-		



**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** EAST NORTHPORT S.W.  
**Project Number:** Not Specified

**Lab Number:** L1408387  
**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	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG684090-4 QC Sample: L1408387-02 Client ID: SW-2												
Chloride	98.	20	120	110	-	-	-	-	58-140	-	-	7
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG684175-4 QC Sample: L1408387-02 Client ID: SW-2												
Nitrogen, Ammonia	0.092	4	3.88	95	-	-	-	-	80-120	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG684295-4 QC Sample: L1408387-02 Client ID: SW-2												
Nitrogen, Nitrate	1.95	4	5.81	96	-	-	-	-	83-113	-	-	17
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG684310-4 QC Sample: L1408389-04 Client ID: MS Sample												
Nitrogen, Ammonia	0.029J	4	3.83	96	-	-	-	-	80-120	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG685106-3 QC Sample: L1408387-02 Client ID: SW-2												
Sulfate	46.	100	150	103	-	-	-	-	55-147	-	-	14

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** EAST NORTHPORT S.W.  
**Project Number:** Not Specified

**Lab Number:** L1408387  
**Report Date:** 04/28/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01-08	QC Batch ID: WG684090-3	QC Sample: L1408387-02	Client ID: SW-2		
Chloride	98.	98	mg/l	0		7
General Chemistry - Westborough Lab	Associated sample(s): 01-07	QC Batch ID: WG684175-3	QC Sample: L1408387-02	Client ID: SW-2		
Nitrogen, Ammonia	0.092	0.065J	mg/l	NC		20
General Chemistry - Westborough Lab	Associated sample(s): 01-08	QC Batch ID: WG684295-3	QC Sample: L1408387-02	Client ID: SW-2		
Nitrogen, Nitrate	1.95	1.92	mg/l	2		17
General Chemistry - Westborough Lab	Associated sample(s): 08	QC Batch ID: WG684310-3	QC Sample: L1408389-04	Client ID: DUP Sample		
Nitrogen, Ammonia	0.029J	0.030J	mg/l	NC		20
General Chemistry - Westborough Lab	Associated sample(s): 01-08	QC Batch ID: WG684574-2	QC Sample: L1408387-02	Client ID: SW-2		
Alkalinity, Bicarbonate	74.0	72.0	mg CaCO3/L	3		
General Chemistry - Westborough Lab	Associated sample(s): 01-08	QC Batch ID: WG685026-3	QC Sample: L1408387-02	Client ID: SW-2		
Solids, Total Dissolved	320	310	mg/l	3		17
General Chemistry - Westborough Lab	Associated sample(s): 01-08	QC Batch ID: WG685106-4	QC Sample: L1408387-02	Client ID: SW-2		
Sulfate	46.	47	mg/l	2		14

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

Lab Number: L1408387  
 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

A Absent  
 D Absent  
 C Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1408387-01A	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-01B	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-01C	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-01D	Plastic 1000ml unpreserved	D	7	2.5	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-01E	Plastic 250ml unpreserved	D	7	2.5	Y	Absent	SO4-4500(28)
L1408387-01F	Plastic 500ml H2SO4 preserved	D	<2	2.5	Y	Absent	NH3-4500(28)
L1408387-01G	Plastic 500ml HNO3 preserved	D	<2	2.5	Y	Absent	HARDT(180)
L1408387-01H	Plastic 250ml unpreserved	D	N/A	2.5	Y	Absent	ALK-HCO3-2320(14)
L1408387-02A	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-02A1	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)
L1408387-02A2	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)
L1408387-02B	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-02B1	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)
L1408387-02B2	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)
L1408387-02C	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-02C1	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)
L1408387-02C2	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)
L1408387-02D	Plastic 1000ml unpreserved	D	7	2.5	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-02D1	Plastic 1000ml unpreserved	A	7	2.5	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-02D2	Plastic 1000ml unpreserved	A	7	2.5	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-02E	Plastic 250ml unpreserved	D	7	2.5	Y	Absent	SO4-4500(28)
L1408387-02E1	Plastic 250ml unpreserved	A	7	2.5	Y	Absent	SO4-4500(28)
L1408387-02E2	Plastic 250ml unpreserved	A	7	2.5	Y	Absent	SO4-4500(28)

\*Values in parentheses indicate holding time in days

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

Report Date: 04/28/14

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1408387-02F	Plastic 500ml H2SO4 preserved	D	<2	2.5	Y	Absent	NH3-4500(28)
L1408387-02F1	Plastic 500ml H2SO4 preserved	A	<2	2.5	Y	Absent	NH3-4500(28)
L1408387-02F2	Plastic 500ml H2SO4 preserved	A	<2	2.5	Y	Absent	NH3-4500(28)
L1408387-02G	Plastic 500ml HNO3 preserved	D	<2	2.5	Y	Absent	HARDT(180)
L1408387-02G1	Plastic 500ml HNO3 preserved	A	<2	2.5	Y	Absent	HARDT(180)
L1408387-02G2	Plastic 500ml HNO3 preserved	A	<2	2.5	Y	Absent	HARDT(180)
L1408387-02H	Plastic 250ml unpreserved	D	N/A	2.5	Y	Absent	ALK-HCO3-2320(14)
L1408387-02H1	Plastic 250ml unpreserved	A	N/A	2.5	Y	Absent	ALK-HCO3-2320(14)
L1408387-02H2	Plastic 250ml unpreserved	A	N/A	2.5	Y	Absent	ALK-HCO3-2320(14)
L1408387-03A	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-03B	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-03C	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-03D	Plastic 1000ml unpreserved	D	7	2.5	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-03E	Plastic 250ml unpreserved	D	7	2.5	Y	Absent	SO4-4500(28)
L1408387-03F	Plastic 500ml H2SO4 preserved	D	<2	2.5	Y	Absent	NH3-4500(28)
L1408387-03G	Plastic 500ml HNO3 preserved	D	<2	2.5	Y	Absent	HARDT(180)
L1408387-03H	Plastic 250ml unpreserved	D	N/A	2.5	Y	Absent	ALK-HCO3-2320(14)
L1408387-04A	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-04B	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-04C	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-04D	Plastic 1000ml unpreserved	D	7	2.5	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-04E	Plastic 250ml unpreserved	D	7	2.5	Y	Absent	SO4-4500(28)
L1408387-04F	Plastic 500ml H2SO4 preserved	D	<2	2.5	Y	Absent	NH3-4500(28)
L1408387-04G	Plastic 500ml HNO3 preserved	D	<2	2.5	Y	Absent	HARDT(180)
L1408387-04H	Plastic 250ml unpreserved	D	N/A	2.5	Y	Absent	ALK-HCO3-2320(14)
L1408387-05A	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-05B	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-05C	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-05D	Plastic 1000ml unpreserved	C	7	2.8	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-05E	Plastic 250ml unpreserved	C	7	2.8	Y	Absent	SO4-4500(28)
L1408387-05F	Plastic 500ml H2SO4 preserved	C	<2	2.8	Y	Absent	NH3-4500(28)
L1408387-05G	Plastic 500ml HNO3 preserved	C	<2	2.8	Y	Absent	HARDT(180)
L1408387-05H	Plastic 250ml unpreserved	C	N/A	2.8	Y	Absent	ALK-HCO3-2320(14)
L1408387-06A	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)

\*Values in parentheses indicate holding time in days

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

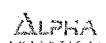
Project Number: Not Specified

Report Date: 04/28/14

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1408387-06B	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-06C	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-06D	Plastic 1000ml unpreserved	C	7	2.8	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-06E	Plastic 250ml unpreserved	C	7	2.8	Y	Absent	SO4-4500(28)
L1408387-06F	Plastic 500ml H2SO4 preserved	C	<2	2.8	Y	Absent	NH3-4500(28)
L1408387-06G	Plastic 500ml HNO3 preserved	C	<2	2.8	Y	Absent	HARDT(180)
L1408387-06H	Plastic 250ml unpreserved	C	N/A	2.8	Y	Absent	ALK-HCO3-2320(14)
L1408387-07A	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-07B	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-07C	Vial Na2S2O3 preserved	D	N/A	2.5	Y	Absent	624(3)
L1408387-07D	Plastic 1000ml unpreserved	D	7	2.5	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-07E	Plastic 250ml unpreserved	D	7	2.5	Y	Absent	SO4-4500(28)
L1408387-07F	Plastic 500ml H2SO4 preserved	D	<2	2.5	Y	Absent	NH3-4500(28)
L1408387-07G	Plastic 500ml HNO3 preserved	D	<2	2.5	Y	Absent	HARDT(180)
L1408387-07H	Plastic 250ml unpreserved	D	N/A	2.5	Y	Absent	ALK-HCO3-2320(14)
L1408387-08A	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-08B	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-08C	Vial Na2S2O3 preserved	C	N/A	2.8	Y	Absent	624(3)
L1408387-08D	Plastic 1000ml unpreserved	C	7	2.8	Y	Absent	CL-4500(28),NO3-4500(2),TDS-2540(7)
L1408387-08E	Plastic 250ml unpreserved	C	7	2.8	Y	Absent	SO4-4500(28)
L1408387-08F	Plastic 500ml H2SO4 preserved	C	<2	2.8	Y	Absent	NH3-4500(28)
L1408387-08G	Plastic 500ml HNO3 preserved	C	<2	2.8	Y	Absent	HARDT(180)
L1408387-08H	Plastic 250ml unpreserved	C	N/A	2.8	Y	Absent	ALK-HCO3-2320(14)
L1408387-09A	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)
L1408387-09B	Vial Na2S2O3 preserved	A	N/A	2.5	Y	Absent	624(3)

\*Values in parentheses indicate holding time in days



### 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.
- LCS D - Laboratory Control Sample Duplicate: Refer to LCS.
- LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- 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 S.W.

**Lab Number:** L1408387

**Project Number:** Not Specified

**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.

Report Format: DU Report with 'J' Qualifiers

Project Name: EAST NORTHPORT S.W.

Lab Number: L1408387

Project Number: Not Specified

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 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

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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, NO<sub>2</sub>, NO<sub>3</sub>.

**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.

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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.**

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



# CHAIN OF CUSTODY

PAGE 1 OF 2

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

**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@roformationltd.com

**Project Information**

Project Name: East Northport S.W.  
 (Surface Water)  
 Project Location: East Northport NY  
 Project #:   
 Project Manager: AJ Schreff  
 ALPHA Quote #:

**Turn-Around Time**

Standard  Rush (ONLY IF PRE-APPROVED)  
 Due Date: 4/28/14 Time:

These samples have been Previously analyzed by Alpha

**Other Project Specific Requirements/Comments/Detection Limits:**

Surface Water Program  
 Please provide EQUIS

Date Rec'd in Lab: 4/22/14

ALPHA Job #: L1408387

**Report Information Data Deliverables Billing Information**

FAX  EMAIL  Same as Client info PO #:   
 ADEX  Add'l Deliverables

**Regulatory Requirements/Report Limits**

State/Fed Program Criteria  
 NYCRR Part 360

**MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS**

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

**ANALYSIS**

VOC-624	NH3-Ammonia	Alkalinity/Bicarbonate	Nitrate, Chloride, TDS	Hardness	Sulfate												
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**SAMPLE HANDLING**  
 Filtration  
 Done  
 Not Needed  
 Preservation  
 Lab to do  
 Lab to do  
 (Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		

08387-01	SW-1	4/21/14	0915	SW	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
02	SW-2		0950		N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
02	SW-2(M)				N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
02	SW-2(M)				N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
03	SW-3		0940		N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
04	SW-4		0930		N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
05	SW-5		1020		N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
06	SW-6		1005		N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
07	SW-7		0850		N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
08	SW-DWP				N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8

PLEASE ANSWER QUESTIONS ABOVE!

Container Type	V	P	P	P	P	P	-	-	-	-	-	-	-
Preservative	H	D	A	A	C	A	-	-	-	-	-	-	-

**IS YOUR PROJECT  
 MA MCP or CT RCP?**

FORM No. 61-01 (Rev. 30-JUL-07)

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	4/21/14 1530	<i>[Signature]</i>	4/21/14 1540
<i>[Signature]</i>	4/21/14 1900	<i>[Signature]</i>	4-21-14 1900
<i>[Signature]</i>	4-22-14 0015	<i>[Signature]</i>	4/22/14 01

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.



# CHAIN OF CUSTODY

PAGE 2 OF 2

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

## Project Information

Project Name:

## 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

Project Location:

Project #:

Project Manager:

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: 4/28/14 Time:

These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Surface Water Program

Please provide EARTS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		

08387-09	TB	4/21/14		SW	h

Date Rec'd in Lab: 4/22/14 ALPHA Job #: L1408387

**Report Information** **Data Deliverables** **Billing Information**  
 FAX  EMAIL  Same as Client info PO #:  
 ADEX  Add'l Deliverables

**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?

ANALYSIS												SAMPLE HANDLING <input type="checkbox"/> Filtration <input checked="" type="checkbox"/> Done <input checked="" type="checkbox"/> Not Needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do (Please specify below) * 1 Sample Specific Comments	TOTAL # BOTTLES
VOC-624	NH3-Ammonia	Alkalinity/Bicarbonate	Nitrate, Chloride, TDS	Hardness	Sulfate								
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		8
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		8

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(1) (rev. 30-JUL-07)

Container Type	V	P	P	P	P	P	-	-	-	-	-
Preservative	H	D	A	A	C	A	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	4/21/14 15:30	<i>[Signature]</i>	4/21/14 15:40
<i>[Signature]</i>	4/21/14 19:00	<i>[Signature]</i>	4-21-14 19:00
<i>[Signature]</i>	4-22-14 00:05	<i>[Signature]</i>	4/22/14 00:05

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.